WALLACES' FARMER and Iowa Homestead

IOWA'S LEADING FARM NEWSPAPER

A B

MARCH 19, 1955

Profits From Chicks In '55?

THE chicken and egg picture is changing. Prices next fall are expected to be above last fall and winter. Reason: Flock owners got disgusted. They're starting 12 to 15 percent fewer chicks than a year ago.

So your new baby chicks may do all right for you. Treat 'em right Keep 'em hustling! Get in on early fall egg prices.

COVER picture shows new chicks getting off to a good start on the Gene Richter farm in Guthrie county, Iowa. Hatcheryman L. W. Ernst vaccinates chicks for Newcastle disease as he places them in the brooder house. It was a great day for three-year-old Gary Richter. He even got to hold one of the chicks—under his dad's watchful eye.

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What is the TRUTH about new 919 Brand Alfalfa Seed?

Sam Goad

Here are answers to many questions about the new alfalfa seed product we're offering farmers for the first time this year. We know you'd like these questions answered before you buy your seed. The answers come from Sam Goad of our Research-Service department—one of the agronomists who helped develop and test this new product. These Northrup King seedsmen know better than anyone *exactly* what new 919 Brand Alfalfa Seed can or cannot do.

Q What is 919 Brand Alfalfa Seed?

A It is a blend of adapted, northern-grown, hardy alfalfas. These alfalfas have been thoroughly tested and proved *right in the area where the crop is intended to be grown.*

Q Is 919 Brand Alfalfa Seed of any better quality than other ordinary northern-grown alfalfas?

A Yes. 919 Brand Alfalfa Seed is *guaranteed* to have a purity of at least 99.60%—*guaranteed* to have a germination of at least 92%, including not more than 9% hard seed. There are no noxious weed seeds. These high standards of purity and germination are better than consistently prevail on other brands of ordinary northern-grown alfalfas.

Q Is a blend of alfalfas superior to ordinary alfalfa?

A Yes . . . if the blend is made with care. In our alfalfa research program we find that our blends of 919 Brand Alfalfa Seed give better and more consistent performance than do ordinary alfalfas. You'd expect this because there's no assurance that ordinary alfalfa from a particular state of origin will be the same from one year to the next—or even from one lot to the next!

Q Why do alfalfas from the same state differ?

A Northern-alfalfa seed-producing states have varying climatic conditions within their borders. As a result seed grown in one section of the state may be unlike that grown in another section of the same state. In addition, several different varieties and strains—having differences in growth habits as well as other characteristics—are grown in these northern producing states. New 919 Brand Alfalfa Seed is blended from a special formula that takes all these differences into consideration. As a result 919 Brand Alfalfa Seed has given good consistent performance superior to that of ordinary alfalfa.

Q What does a farmer gain by seeding a blend of alfalfas?

A In a skillfully formulated and processed blend of proved ingredients, such as you get with new 919 Brand Alfalfa Seed, the farmer can expect higher yields of better quality forage, plus more consistent performance from year to year, than with ordinary alfalfas.

Q What about blends of northern, hardy alfalfas sold by other companies? Will these blends perform as well as Northrup King's 919 Brand Alfalfa Seed?

A We can answer only for 919 Brand Alfalfa Seed. This new product of ours is based on scientific research. The exceptionally high quality ingredients are selected carefully for plumpness, color, germination, purity and vigor. New 919 Brand Alfalfa Seed fits Northrup King's policy of supplying top quality seed products to farmers.

Q If a farmer seeded in the same year Montana alfalfa bought from two different companies, would his alfalfa crop always be uniform?

A No. The performance of the two alfalfas would not necessarily be the same. First, performance differences between strains and varieties could appear. Second, there could be a great difference in the *quality* of the seed processed by the two companies. Third, there could be a difference in the ability of the two seed lots to germinate and grow under actual field conditions—*even though standard germination tests make it appear that the two lots are similar.*

Q Can a farmer expect uniform performance from 919 Brand Alfalfa Seed?

A Yes. You avoid the risks mentioned in the answer above when you plant 919 Brand Alfalfa Seed. Northrup King has seed buyers in all the major alfalfa seed producing areas. We have the processing technicians and the modern equipment needed to clean top quality seed to the highest degree of mechanical purity—plus an effective process for safely reducing the hard seed content in alfalfa.

Q Will the alfalfas in 919 Brand Alfalfa Seed be the same from bag to bag or year to year?

A The same varieties or strains of alfalfa will go into each blend of 919 Brand Alfalfa Seed from year to year. However, because 919 Brand Alfalfa Seed is a blend of different alfalfas, we at times must buy from different state origins in order to get the *best* quality of the *exact* alfalfas needed for the blends. Thus there may be some variation in the states of origin showing on the analysis tags.

Q How does 919 Brand Alfalfa Seed give more disease resistance than other northern-grown, ordinary alfalfas?

A Because some of the alfalfas in 919 Brand Alfalfa Seed contain resistance to certain alfalfa diseases. While 919 Brand Alfalfa Seed is therefore more disease resistant than other northern-grown, hardy alfalfas, it is not as resistant to bacterial wilt as are the Certified alfalfa varieties like Ranger, Buffalo and Vernal.

Q Is 919 Brand Alfalfa Seed certified?

A No. Only straight varieties of alfalfa can be certified. Since 919 Brand Alfalfa Seed is a blend of alfalfas, it is not eligible for certification.

Q What is the advantage for farmers in the fungicide treatment of 919 Brand Alfalfa Seed?

A The biggest benefit comes when growing conditions are poor for germination and early seedling development. Fungicide treatment is recommended as a good farming practice, just as are better seed bed preparation and better seeding methods. On the average, seed treatment of alfalfa has resulted in thicker, more vigorous stands.

Q Do the state experiment stations recommend 919 Brand Alfalfa Seed?

A No. State experiment stations do not recommend 919 Brand Alfalfa Seed.

Q Why don't state experiment stations recommend 919 Brand Alfalfa Seed?

A Because they do not recommend any seed by brand name. Ordinarily they do not even recommend any *uncertified* seed such as Uncertified Grimm, Cossack, Ranger nor any of the common alfalfas.

Q Do farmers plant branded seed products?

A Everywhere. For example, experiment stations do not recommend *private* brands of hybrid corn. Yet, most of the hybrid corn seed farmers plant is bred and produced by companies like Northrup King. Likewise, most of the Red Clover and grass seed planted by farmers is branded commercial seed.

Q Does this hold true for uncertified alfalfas?

A Yes. Roughly two-thirds of the alfalfa seed produced in the United States is uncertified. From practical experience farmers feel that uncertified, hardy, northern alfalfas give very satisfactory performance used in short rotation field management—for periods of about two or three hay years.

Q How should 919 Brand Alfalfa Seed be used?

A For farmers using alfalfa for two to three hay years, we recommend new 919 Brand Alfalfa Seed as the best uncertified alfalfa seed product we know of. For farmers planning to leave stands of alfalfa in for a longer period of years, Northrup King naturally recommends the more wilt resistant varieties such as *Certified Ranger or Vernal.*

Your local Northrup King dealer can tell you more about our new 919 Brand Alfalfa Seed. Remember, this new alfalfa seed product is produced only by Northrup King and sold only by Northrup King dealers.

NORTHRUP, KING & CO. NK

Minneapolis, Moorhead, Minn. • Madison, Wis. • Waterloo, Iowa

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you get up to 6 times your money back

using

LION AMMONIUM NITRATE

on small grains

LION AMMONIUM NITRATE FERTILIZER is guaranteed to contain 33.5% minimum nitrogen. Special conditioning gives the uniform pellets increased resistance to caking during shipment or in storage. This fertilizer flows freely, spreads evenly. Its uniform high quality is guaranteed.

Lion . . . the Largest Manufacturer of Prilled Ammonium Nitrate Fertilizer in the World, also produces Sulphate of Ammonia and Anhydrous Ammonia.

Up to 6 times your money back on corn! Up to 10 on cotton! Up to 4 on pastures! Up to 8 on rice! These are facts, not mere claims.

Of course, actual costs and gains in your individual case will depend on the type of soil you are farming, the delivered price of Lion Ammonium Nitrate in your locality, and other variables. However, the gains shown above are typical for ammonium nitrate applied to fields fertilized according to their needs as indicated by soil tests.

Lion Ammonium Nitrate Fertilizer is scientifically prepared to give you the *most nitrogen per dollar*—the *lowest-cost nitrogen* available in solid form. And this superior fertilizer contains *two* types of nitrogen—*quick-acting* nitrate nitrogen to get growth started fast, and *longer-lasting* ammonia nitrogen to insure continued growth.

For pre-planting, side dressing or top dressing with solid nitrogen, insist on Lion Ammonium Nitrate. Get the most for your money. See your favorite fertilizer supplier for your requirements.

A SOIL TEST *is the first step toward the intelligent use of money-making plant foods. See your county agent, vo-ag teacher, or soil conservation leader for advice and assistance.*

LION OIL COMPANY

CHEMICAL SALES DIVISION — EL DORADO, ARKANSAS

Mr. and Mrs. H. L. Doty, Dallas City, Illinois

"EXCELLENT HEATING... ...SO LITTLE FUEL WITH COLONIAL FURNACES"

"Our choice in furnaces is Green Colonial, three times over," say Mr. and Mrs. Doty, pictured above. "For three different properties in the last 14 years, we have chosen Green Colonial every time because of our wonderful experience with this furnace. It does such an excellent job of heating, with so little fuel, and no upkeep cost. Our first Green Colonial furnace was bought for our home in the early '40's. Then in 1946 we purchased a 2-family apartment and installed a Green Colonial there, too. We remodeled our new home in 1953, and our choice was Green Colonial again . . . because we were so completely satisfied.

The fact that we have chosen this make of furnace three consecutive times shows what a wonderful job it does." (Installed by Scanlan Plumbing & Heating)

Below is the C-10-3 oil fired forced air winter air conditioner . . . just one of the many Green Colonial furnace models.

Mr. and Mrs. Doty are like thousands of Green Colonial furnace owners who buy Green Colonial again when they need another furnace. These owners know about the many extra advantages of a Green Colonial such as:

1. Fuel savings up to 25%.
2. Heavier construction, often giving up to 12 extra years of trouble-free service.
3. Tailored-to-fit installation for clean, even heat in every room.

Before you buy a furnace talk to a Green Colonial owner, then see your local dealer or write for new illustrated literature.

CONVENIENT PAYMENT PLANS
INSTALL NOW — PAY LATER

GREEN COLONIAL HEATING & COOLING

GREEN COLONIAL FURNACE COMPANY DES MOINES, IOWA

Too wet to work in the fields, but not too wet to fix fence. Donald Flugum does some fence fixing in the mud. Winnebago county, Iowa.

INSIDE STUFF

IF you live on a dirt road, this talk about four lane highways leaves you cold. Especially in a wet spring. All you want is enough gravel so you can get to town.

DID YOU notice the left-handed gang plow in the March 5 issue? Russ Miller of Clinton county, Iowa, did. He wrote us:

"WHAT HAPPENED? I hope the article isn't as backward as the picture at the top of the page. Please tell me where I can get a left-handed plow like the one pictured."

AS RUSS probably guessed, the picture was intentionally reversed in printing. The original photograph showed the usual right-hand operation.

I'M GLAD Russ Miller and the other folks who wrote us look at the pictures so carefully. Careful readers help to keep us on our toes.

I HOPE many of our readers saw the telecast of the final game of the Iowa high school girls' basketball tournament. Wallaces' Farmer and Iowa Homestead picked up the check on that deal.

NO TELECAST was in sight Friday afternoon. Then Associate Publisher Richard S. Pierce decided folks at home should see the closing game on Saturday. So Wallaces' Farmer and Iowa Homestead paid $1,500 to let thousands of farm people see the game on television.

WOI-TV deserves special credit for staging the telecast on short notice. And for giving up several hours of profitable commercial business for that evening.

LABOR VOTES in the Wisconson legislature so far have helped farmers fight off daylight saving. Without labor support, farmers would have been licked on this issue.

LABOR SPOKESMAN Pellant of Milwaukee said: "We don't believe that daylight savings should be shoved down the throat of the farm minority."

IN CONGRESS, the Farm Bureau is reported as opposed to President Eisenhower's bill to raise labor's minimum wage from 75 to 90 cents an hour. Go easy, boys. Farmers may need help from labor in congress too.

MY WIFE and I got an early taste of spring in Ft. Worth, Texas, in late February. The honeysuckle bushes were starting to put out leaves and the air was warm and moist.

BACK IN Iowa, nothing looked like spring except a misguided robin who had come early and wished he hadn't.

DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD
"GOOD FARMING, CLEAR THINKING, RIGHT LIVING"
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With this high-level antibiotic creep feed...

It's love at first bite!

And each bite adds growth-power, scours protection to help build heavy, even pigs at 8 weeks

By Walter J. Leeds

They tell me it's unusual for baby pigs to go on dry feed much before 3 or 4 weeks after farrowing. If that's the case, I've been seeing some of the most unusual baby pigs I ever laid eyes on.

Thousands and thousands of pigs—all over the Corn Belt—scrambling, bumping and pushing each other to get at a new dry creep feed. And many of these are just *week-old* pigs!

There's no question about it . . . baby pigs love this new creep feed. And that's good, because early eating helps so much in starting pigs off fast.

But hog raisers know taste appeal alone is not enough. The feed must pack a powerful nutritional wallop plus high-level antibiotics to produce the fast gains you have a right to expect these days.

And every hog raiser I've talked to who uses this new creep feed—it's called Creep-20—told me it rings the bell on all counts.

Take Fred F. Goodchild, of Mallard, Iowa. Fred said, "My pigs took to Creep-20 right from the start. When they weighed 50 lbs. at 8 weeks, I was convinced Creep-20 was the most palatable and best pig starter for me."

L. J. Hansen, of Wayne, Nebraska, reported, "I fed Creep-20 last year and raised the best pigs I ever had. They ate Creep-20 like candy and really went to town. I didn't even have to wean them—Creep-20 did the job."

With results like these, it's no wonder hog raisers praise Creep-20. But a little study of this feed shows why it's so good. It's a high-level antibiotic feed. That simply means antibiotics at disease protection levels . . . 5 times more than nutritional or growth levels.

Here's tremendous help for prevention of scours and several other baby pig diseases—as well as increased antibiotic growth power.

And I've found Creep-20 provides a very special balance of proteins, vitamins and other body-building nutrients which has been *tailored* to fit the antibiotic wallop in the feed.

They tell me antibiotics work as a spark to set off the real nutrition in feed. That's why Nutrena tailors the nutrition to the high levels of antibiotic in Creep-20. This helps get maximum value from all the nutrients. This "tailored nutrition" makes good sense.

Farmers' enthusiasm for Creep-20 is no surprise to me. I've seen the amazing results from actual farm use and Nutrena Research Center tests.

Some pigs reported on weighed 40 pounds at 6 weeks. Others averaged 50 to 60 pounds at 8 weeks. And farmer after farmer reports no scours.

Lots of your neighbors are probably using Creep-20 now. Why not visit them and get a first-hand report for yourself? Then drop in at your Nutrena dealer and order a trial bag of Creep-20. If you don't agree your pigs eat it more eagerly than any other starter, return the empty bag to Nutrena Mills in Minneapolis, Minn., for full refund. My bet is, your baby pigs will love it at first bite!

Pig weighed 16 lbs. after 15 days on powerful creep feed. Takes a great starting feed to get gains like this—one that's loaded with growth power and enough antibiotic spark to do the job, starting with the very first bite.

Your neighbors can tell you plenty about this master creep feed. Compare their results against the facts on this page. Then see for yourself with a trial bag of Creep-20. (Advertisement)

with this all-new MM Planter

SAVE MONEY, MAKE MONEY WITH THESE OUTSTANDING MM PLANTERS!

NEW MP PLANTER
Champion accuracy with new MM planter advantages!

Here's the rear-mounted MM Planter that checkrows, drills, or hill-drops with real champion accuracy. The new MP has the same high-speed flexible finger-valves and continuous-turning seed plates as the PQ-400 plus advantages like a built-in rudder to hold the planter straight on its course, direct press wheel drive, automatic level-wind of check wire. Available in 2 and 4 row sizes.

FAMED DQ PLANTER
For mounting on MM Attachor tool bar or 3-point hitches.

This compact, low-cost DQ 4-row planting attachment mounts on the MM Attachor tool bar to give you a versatile, easy-to-handle planter for cotton or corn. It's available with combination corn and cotton cans, with alarm agitators, or with corn cans only. You choose sweeps, runner openers, knife-edge openers, or high-speed middle breaker bottoms. Also available in the 2-row size for standard 3-point hitches.

FP MOUNTED PLANTER
For MM models UB and ZB tractors —8 machines-in-1!

Mounted FP Planters for MM models UB and ZB tractors give you the machine you need for every planting, fertilizer and cultivating job with the same frame, the same drive, the same parallel linkages, and same beams. You plant or cultivate 2 or 4 rows at a time and apply practically every commercial fertilizer. Perfect visibility, Uni-Matic hydraulic control and Quick-On—Quick-Off mounting save time and work all season long.

you can PLANT 520 HILLS* a minute . . .

7,000 to over 20,000 SEEDS per ACRE!

NEW MINNEAPOLIS-MOLINE MODERN MACHINERY PQ-400 PLANTERS *High Speed*

You can plant an acre in about 7 minutes with the new Minneapolis-Moline PQ-400 Planters. You match seed population to your soil's fertility to get the most out of every field, then zip from headland to headland at 5 miles per hour, hill-drop or checkrow . . . putting in as many as 520 accurately planted hills a minute. Here's how this new planter does it:

Seed plates run continuously—Seed plates on the new PQ-400 don't stop and go between every hill. New, patented, flexible finger valves make possible continuous-running seed plates. You get high-speed planting at slower seed plate speed . . . gentle handling of seed . . . MM precision in seed selection and drop.

Plant 7,000 to over 20,000 seeds per acre—Easy-to-change PQ-400 drive sprockets give you a range of 20 seed plate speeds. Row widths of 36, 38 and 40 inches let you match population to plant food for every acre.

Uniform depth, uniform spacing—Each row-planting unit of the PQ-400 moves up and down independently to follow ground contours. Seeds are placed, not thrown—you get uniform spacing at the rate you want.

New advantages for faster, better planting—When you see the PQ-400, at your MM dealers, check off advantages like these: automatic markers, ½ bushel lift-off seed cans, 80-90 pound capacity fertilizer attachment. You pick edge-drop or flat-drop seed plates to plant corn, beans, peas or other seeds, mechanical or hydraulic lift, runner or double disc openers.

These are just a few of the many, many new advantages that make the PQ-400 the most advanced planter in the field. Ask your MM Dealer to show you all the ways this completely new planter can make money for you with lowest-cost planting . . . highest yields!

**130 buttons a minute*

MINNEAPOLIS-MOLINE MINNEAPOLIS 1, MINNESOTA

RC ROTARY HOE—*crust-breaker and weed-killer*

Your own work-tests will show you 3 big advantages of this MM Rotary Hoe: (1) *Controlled penetration* with large, deep weight pans for each section; (2) *Light draft* with 18-inch digger wheels and oil-impregnated hardwood bushings; and (3) *Curved high-carbon steel finger ends* that work the soil with real hand-hoe action. In 1- to 5-section models, for drawbar or 3-point hitch.

MOUNTED CULTIVATORS—*Quick-On Quick-Off*

Team these MM Mounted Cultivators to Model ZB or UB Tractors and you're set for weed-free thriving crops from seedlings to maturity! Visionlining, high clearance, Quick-On—Quick-Off mounting, easy addition of planter and fertilizer attachments—all these MM advantages save you time . . . make you money.

WHY MM FLEXIBLE-FINGER VALVES OFFER GREATER HIGH-SPEED ACCURACY

As seeds drop continuously (like water dripping from a faucet) patented flexible-finger valve (A) collects the number of seeds you want in each hill. Gentle, sure pressure can never crack or damage seeds. When this upper valve opens in planting cycle, it drops seeds to lower V-shaped valve (B) to form compact hill. Then, as lower valve opens, valve floor moves out from under seeds and kernels drop straight down into a tight hill cluster. You get new speed, new planting accuracy when you buy a new MM Planter.

(Shown above with runner and double disc openers)

WANT THE FACTS ON THESE NEWEST PLANTERS
MAIL COUPON TODAY!

MINNEAPOLIS-MOLINE
MINNEAPOLIS 1, MINNESOTA Dept. 43

Please send me, without obligation, complete literature on the MM Machines checked below. I farm _____ acres.

☐ PQ-400 Planter ☐ MP Planter ☐ FP Planter ☐ DQ Planter

☐ RC Rotary Hoe ☐ Mounted Cultivators for ☐ ZB or ☐ UB Tractors

Name _____

RFD _____ Box _____

Postoffice _____ State _____

Save soil and water, too

Contouring and terracing can help you save rain that falls now for next summer's crops

SAVE MORE WATER for your crops. And store it in the soil where plants can use it later on.

Contouring and terracing can help you get the job done.

Just ask Omer K. Payne of Madison county, Iowa. He bought a run down farm. Now, he's contoured the fields and added ponds and terraces.

He says, "I'm saving both soil and water. Contouring holds more water on the land. When it soaks into the soil, you have a reserve for crops during dry spells. That can do a lot for a crop."

Then he adds, "Of course, there are some soils where getting water drained off is more of a problem than encouraging it to soak in."

But over much of the Corn Belt, any extra water that soaks into the soil improves your chances of getting top yields.

An extra inch of water can mean five bushels more corn even in a normal year. And maybe 10 to 15 bushels more in a dry year. That's if the water is at the right place at the right time.

You can save up to five inches of water a year with contours and terraces, thinks Frank Schaller, Iowa State College agronomist.

And that puts the water right where you want it. It's stored down in the soil where roots can use it whenever they start running short of surface moisture.

This can be mighty important. Soil moisture checks were made on crops in western Iowa. Soil under alfalfa was dry down eight feet. That's as far as the soil sample went. Probably, alfalfa took moisture from deeper than that, too.

In the same checks, soil under corn was dry five or six feet deep.

In southern Iowa, fertilized corn pushed its roots down about five feet into a heavy soil. Roots of unfertilized corn stopped at about three feet.

So it is important to have this soil moisture reserve. During fall and spring, plants do not use all the rain that falls. So this is the time for re-charging the soil moisture.

Corn can use just over an inch of water a week during part of July and August.

So an extra inch of water in the soil can mean that corn can go about a week longer in dry weather.

Contouring and terracing save both soil and water. Here's what happened in a western Iowa test:

Corn surface planted up and down the hill let three and a half inches of water a year run off. Soil loss was about 26 tons per acre.

Corn surface planted on the contour kept better than an inch more water on the field. And soil loss was cut to nine tons per acre.

Corn contour listed really did a conservation job. Soil loss was reduced to 2.8 tons per acre. And more than two inches of water was saved over up and down hill planting.

The water saved was enough to carry corn thru one to two weeks of dry weather.

These tests were made on short slopes. About the same length as between tarraces. On longer slopes, soil and water loss might have been higher.

Contour listing doesn't fit all areas. But you can get the benefits of contouring and terracing in almost any hilly area.

"I'm sorry I couldn't get the tractor part you needed. But I didn't come home empty-handed."

PULLETS

Quality Bred Should be Quality Fed with

CONCENTRATE

Quality Pays

It doesn't take much extra expense to have a premium product. The added price you get for top quality eggs is largely profit. Rarely has the market for quality eggs been overloaded.

In the last five years, monthly averages of egg prices have been lower each year during February, March and April. That means that during the coming months profit margins will be very close. Look at your present feed costs! Ask your MURPHY dealer to compare them to the cost of a MURPHY feeding program. You'll find that MURPHY'S VIG-O-RAY CONCENTRATE plus your own grains and roughage makes one of the most economical, high producing rations you can use. By switching to MURPHY'S you can lower your feed costs and also save labor by cafeteria feeding.

MURPHY'S VIG-O-RAY CONCENTRATE cafeteria fed with your own grains and roughage increases feeding efficiency. It takes less feed to produce more eggs because each ounce goes further towards meeting the nutritional requirements of heavy producers. The extra good quality proteins, minerals, vitamins and antibiotics supplied by MURPHY'S make sure your farm feeds are nutritionally complete.

Chicks—Start Faster on Murphy's Ready-to-Feed Chick Starter

PROTEINS	MURPHY'S Chick Starter supplies top quality proteins at the proper levels to permit better growth, better feathering and good health.
MINERALS	MURPHY'S Chick Starter supplies the minerals chicks need to grow strong legs, big frames and become vigorous pullets.
VITAMINS	MURPHY'S Chick Starter supplies high levels of the right vitamins to speed-up growth—to resist diseases.
ANTIBIOTICS	MURPHY'S Chick Starter supplies extra high protective levels to give chicks a fast start and to get more out of their feed.
ENERGY	MURPHY'S Chick Starter supplies an abundance of energy.
COMPLETE FEED	MURPHY'S Chick Starter gives chicks nutritional values they need. Chicks either start to grow within a few days of hatching, or they die. MURPHY'S Chick Starter supplies what is needed to give these babies a booster start on the highway to poultry profits.

Start today on a MURPHY feeding program with MURPHY'S READY-TO-FEED CHICK STARTER AND MURPHY'S POULTRY CONCENTRATE. MURPHY'S guarantees lower feed costs.

MURPHY
PRODUCTS CO., BURLINGTON, WIS.

COWS

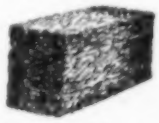
Make More Milk from Roughage with

CONCENTRATE

More and more dairymen are depending on roughage to hold feed costs down. For the next few months you will be feeding more hay and silage to your cows and hoping to hold production up and keep their health good.

Well, it can be done; but there's something you ought to know about roughage this year. Leading state universities tested hundreds of samples of hay being fed on farms. Here's what they found out:

Excellent quality—only 5%
Good quality—25%
Fair quality—45%
Poor quality—25%

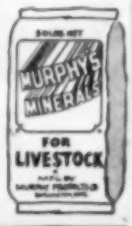


One university states that improper storing of hay can lose 15 to 40% of its feed value. Rain, plus extended periods of sun bleaching will remove nearly all the carotine from which animals derive vitamin A. During these winter months, vitamin A is extremely important to the dairy cow's health and production.

Unfortunately, early symptoms of vitamin A deficiency are not easily detected. But borderline cases of vitamin A deficiency exist where poor quality hay is being fed. And, because the dairyman cannot see the symptoms, he often continues to feed deficient rations. This most often results in poor production and costly troubles at calving time.

Here's What We Recommend You Do

Keep production high and herd health good by balancing up your farm feeds with MURPHY'S CUT-COST CONCENTRATE. All the known proteins, minerals and vitamins your farm feeds lack can be economically supplied by balancing the ration with MURPHY'S DAIRY CONCENTRATE. Only about two 10-ounce cans per cow per day are needed. MURPHY'S DAIRY CONCENTRATE is formulated with the knowledge that hay in many areas may be deficient or of low quality. That's why, when you add MURPHY'S DAIRY CONCENTRATE to your ration, you can be sure your cows are getting the nutrients they need to make more milk out of roughage. So for healthier, better-producing cows, switch to MURPHY'S DAIRY CONCENTRATE. For best results always feed MURPHY'S MINERALS free-choice. Make roughage do a bigger, better job and lower your feed costs. MURPHY'S guarantees lower feed costs.



MURPHY
PRODUCTS CO., BURLINGTON, WIS.

Will congress help prices?

Food stamps could help hogs, eggs, milk but measure faces tough going

WILL congress do anything to help hogs, dairy products and eggs? There's some chance for dairy products, less for hogs and eggs.

For dairy products, Minnesota's two senators—Humphrey and Thye—have introduced a bill to extend the special school milk program another year. The cost would be raised from $50 million to $100 million.

The school lunch program, budgeted at less than current costs, also has a chance of expansion. This could help many farm products, but milk and butter most.

For hogs, eggs and other perishables, the main hope is the new food stamp bill. This is getting double-barreled support. Some labor congressmen will back it if it includes unemployed people. Consumer groups like the idea of aid for old people and children.

For farmers, it means a big push on sales for milk, butter, cheese, pork, beef, eggs and poultry.

As every farmer knows, this modified food stamp plan would hand out a certain quantity of stamps to everybody on the relief rolls. The person on relief would give these stamps to the grocer and get food products in return. The grocer turns the stamps in to the relief administration and is paid for them.

How much it costs depends on how many people are on the benefited list. It is a food subsidy which benefits consumers as well as producers. That's why the bill will get some city votes.

So far, senators from dairy states are giving food stamps the biggest push. But hog states have a big stake in it too. Food stamps would help move both meat and milk.

* * * *

How is Secretary Benson getting along with the farm organizations?

Not too well. Even the Farm Bureau, long a supporter of Benson, has split with him on two issues. The Bureau wants cross-compliance back so that wheat growers can't put land taken out of wheat into corn. And the Bureau wants to limit ACP payments to farmers who stay within allotments.

The Grange is impatient with Benson's objections to the two-price plan for wheat. Master Newsom said farmers, the Grange and the house committee on agriculture all favored a two-price plan.

Newsom insisted the plan would be law now "if the secretary of agriculture had been similarly realistic."

Newsom went on to tell the house agriculture committee that the present farm law is "incapable of sustaining agricultural income at a time when there is a real need for such sustaining influence."

* * * *

What happened to farm income in 1954? What about non-farm income?

Here are USDA figures: Net farm income for 1954 totaled $12 billion, down 10 percent from 1953. In Iowa, gross farm income was down 1.7 percent.

Income per person of farm folks on farms averaged $902 compared with $949 in 1953. Income per person of the non-farm population averaged $1,836 compared with $1,886 in 1953.

Net income of the average farm was reported as $2,268 last year. In 1953, it was $2,276.

* * * *

Are any changes being considered in social security legislation at Washington?

Yes. The American Farm Bureau Federation is asking that farm laborers be put on social security only if they are paid $250 or more in cash by one employer. The present law says $100.

This change has some southern backing. Senator Stennis of Mississippi says that the $100 a year minimum is bringing in a lot of folks who aren't really farm workers. He refers to high school boys working on farms during vacations, and to local people who help out for a few weeks at harvest.

According to our Washington correspondent, AFBF representatives are also urging the house ways and means committee to repeal last year's legislation putting farm operators under social security.

SOWS

Have Big, Healthy Litters when Fed

CONCENTRATE

Good feeding helps make big, healthy litters. Sows that have been short-changed on vital bone, blood and tissue building nutrients usually farrow small, weak litters. Small litters are the beginning of small profits, or no profit at all.

You can avoid the costly danger of short-changing your sows by putting them on a MURPHY feeding program. You can stop wondering if your sows are getting too little proteins, minerals, vitamins and antibiotics. You can stop spending money for one vitamin supplement, another protein supplement and a third antibiotic supplement. The proper amounts and correct levels of these vital nutrients are all in one bag of MURPHY'S CONCENTRATES. MURPHY'S added to your farm feeds gives you a sow ration that is nutritionally complete.

Well fed sows will reward you with healthier, thriftier, bigger litters that are ready to get off to a fast start on MURPHY'S PIG STARTER.

Murphy's Pig Starter Saves Feed

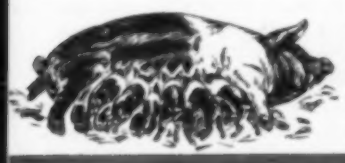
During gestation a sow will eat about six pounds of feed a day. During lactation she may increase her feed consumption to twelve pounds a day. But if the baby pigs are fed MURPHY'S READY-TO-FEED PIG STARTER to supplement her milk, the demand on her is less—she maintains her weight, and thrives better on less feed.

Murphy's Pig Starter Supplies Vital Missing Nutrients

It supplies the vitamins, antibiotics, iron, copper, and other trace minerals which are short in sow's milk. It's highly palatable.

It's fortified with extra-high levels of antibiotics and the proper balance of proteins, minerals, vitamins and energy substances. It is low in fiber content. It is highly palatable; pigs like its taste; eat it early.

MURPHY-fed pigs have a better chance to keep right on gaining from birth to market. So switch to a MURPHY feeding program. Get better results at a lower feed cost. MURPHY'S guarantees lower feed costs.



MURPHY

PRODUCTS CO., BURLINGTON, WIS.

BEEF

Make Cheap Gains Free-Choice Fed

CONCENTRATE

MURPHY'S CUT-COST BEEF CONCENTRATE makes free-choice feeding of beef cattle practical and profitable. Thousands of feeders find that cattle won't overeat on MURPHY'S CONCENTRATE. Cattle eat ¾ to 1 pound of concentrate per day and put on fast, economical gains.

This big step forward in cattle feeding has been made possible because of the nutrient balance achieved in MURPHY'S CUT-COST CONCENTRATE. Free-choice feeding MURPHY'S BEEF CONCENTRATE can make more money for you.

Four Good Reasons For Switching To Free-Choice Feeding Murphy's Beef Concentrate

1. Cattle Digest Their Feed Better. You will find less corn "going through" cattle undigested when you give them a chance to properly balance their ration. Many feeders report as much as 20% more gain from the same amount of corn. Usually about 30 pounds of MURPHY'S CUT-COST CONCENTRATE and 11 to 12 bushels of corn is the average amount of feed required for 100 pounds of gain.

2. Cattle Go on Feed Easily—Stay on Feed Better. Whether cattle are short fed or long fed, MURPHY'S CUT-COST CONCENTRATE will keep them eating and gaining. Because MURPHY'S CUT-COST CONCENTRATE supplies, all-in-one bag, the extra substances needed to balance up the corn and roughage part of a ration, cattle are less likely to overeat on corn, scour and go off feed.

3. Fits All Types of Feeding Operations. Cattle can be safely fed free-choice whether on pasture, on silage ration or on a full feed of corn. Thousands of beef feeders have already had outstanding success with this MURPHY free-choice feeding program.

4. Costs Less to Feed. Usually it takes about one-half as much of MURPHY'S CUT-COST BEEF CONCENTRATE as it does of most supplements. Small amounts of MURPHY'S CUT-COST CONCENTRATE give cattle the *extra* body-building, health-promoting, rumen-stimulating substances needed for low feed cost and rapid gains.

This is the year to switch to free-choice feeding. This is the year to switch to MURPHY'S. Save labor by feeding free-choice. Get better gains and lower feed costs.

MURPHY

PRODUCTS CO., BURLINGTON, WIS.

Top Quality Seed

assures you HIGHER YIELDS*

- ✓ Carefully graded 3 ways for planting accuracy
- ✓ Cold tested and proved for early seedling vigor
- ✓ Liquid coated for germ protection
- ✓ Bred to resist drought, insects and disease
- ✓ Developed, tested and adapted for top-yielding performance in your area

* **HERE'S PROOF IN THE FIELD!**

The 1954 official Iowa Corn Yield Test a Genuine Pfister Hybrid won first place in the Northern Section among 90 entries. In two-year averages in the section, P.A.G. had 25% of the top 20 entries.

MORE PROOF!—Genuine Pfister Hybrids still hold the Official World Record for 10 acres: 224.2 bushels per acre, made at Rose Hill, Iowa, in 1948.

Plant all Genuine Pfister Hybrids this spring!

Genuine PFISTER HYBRIDS

Pfister Associated Growers, Inc.

General Offices: Aurora, Illinois

Heavier pigs at eight weeks of age. That's one of the advantages that Lester Heimstra of Cherokee county, Iowa, sees in early weaning. He takes pigs away from sows at two weeks of age.

They're weaning earlier

Hog farmers tell why and how they're replacing old sows with self-feeders

Advantages and limitations of weaning pigs early were discussed in the last issue of Wallaces' Farmer and Iowa Homestead—along with feed cost comparisons.

Some hog raisers have already learned about those advantages and limitations. How have they made early weaning fit into their operations?

LESTER HEIMSTRA of Cherokee county, Iowa, weaned 500 pigs last year at four weeks of age. He raised an average of nine pigs per litter. And he started marketing his hogs when they weighed 210 pounds at five months of age.

Heimstra believes that early-weaned pigs do better and grow faster than pigs on sows. And he's convinced that it costs less to raise early-weaned pigs.

Figure the cost of feeding sows thru eight weeks of lactation, weight loss during that time and extra space and labor needed to care for sows, he explains. And the cost per pig will be less for early weaned pigs than for those left on sows.

So self-feeders are replacing Heimstra's sows when pigs are two weeks old. Pigs are moved into pens holding 12 to 14 pigs.

A small, shallow pan filled with pre-starter helps get pigs to eating early, Heimstra says. Sticking their noses in the feed often is enough to start them nibbling.

Sometimes an older pig from another group is placed with a newly weaned bunch of pigs to teach them to eat.

Heimstra keeps his pigs on a pre-starter ration for 10 days, then switches to a starter feed. At five weeks of age, they are eating a growing ration which is fed until they are eight weeks of age, when they're ready for the growing-fattening ration.

Wayne Lindskoog of Sac county, Iowa, says early weaning enables him to wean more pigs per litter. His pigs are farrowed in farrowing stalls. They're removed from the stalls when they weigh 12 to 14 pounds—usually around three weeks of age.

So the risk of crushing is reduced by farrowing stalls up to three weeks of age—and eliminated after that.

Lindskoog keeps his early-weaned pigs in pens with solid sides and gates—to avoid drafts. Like Heimstra, he keeps pigs in small groups. And he keeps heat lamps over the pens.

Wendel Hill, another Cherokee county, Iowa, hog raiser, has been weaning early for several seasons. He starts creep feeding at one week of age. And pigs are used to eating solid food by the time they're taken away from sows at three weeks of age.

With that kind of weaning program, Hill's pigs have been averaging 30 pounds at six weeks.

"Take little pigs completely away from the sow so they can't hear her grunts," advises Hill. Pigs aren't content with dry feed when they can hear their mothers, he explains.

"Sanitation is as important as feed," Hill warns. Another point: Be sure pigs have an adequate supply of clean water.

If you've been debating the early weaning question, maybe you'll want to try it on one or two litters—to find out for yourself without a big risk. That's what Frank Renze of Sac county, Iowa, is doing this spring.

Renze has been raising about 500 hogs each year with very good results. But if early weaning will boost hog profits, he wants to do it. So he's weaning a few pigs early and leaving others with sows. The experiment should help him decide whether or not early weaning is best suited to his needs.

It's the Country's Most Talked About TWINE-TIE BALER...

". . . I have baled wheat and barley straw, several varieties of hay including alfalfa, timothy, and sudan grass and I'm well pleased . . . the 14-T gives me big baler performance at a cost I can well afford . . ."
Lewis T. Manbeck
Schuylkill Haven, Pa.

"You bet I'm well pleased with my 14-T . . . baled over 7,000 bales, spent less than $1.00 for maintenance . . . the 14-T makes a firmer, tighter, neater bale than balers of other makes . . ."
Kenneth S. Phillips
Bell Buckle, Tenn.

The *New* JOHN DEERE No. 14-T

". . . I've never owned a machine that gave me more pleasure in performance and ease of operation than the 14-T . . . especially like the overrunning clutch and smooth action of the plunger-head . . ."
Rait Harrington
Princeton, Ill.

You've heard about it; here it is . . . the John Deere No. 14-T, the *brand-new,* low-cost twine-tie baler that's completely practical for everyone who bales hay for on-the-farm feeding.

Last summer, a pilot-run of No. 14-T Balers was put in the field where performance really set tongues wagging. And it's no wonder, for never before has any low-cost, twine-tie baler offered the balanced combination of features that's yours in the completely new John Deere No. 14-T.

BIG CAPACITY

In the words of owners and observers alike, "The capacity of the No. 14-T is downright amazing." Right they are! From the 53-inch-wide power-driven pickup . . . to the large floating auger feeder . . . through the rugged bale case . . . back to the bale chute, this outstanding baler is specially designed to handle bigger windrows with less choking . . . give you steadier, faster baling than any other baler in its class.

BETTER, NEATER BALES

An equal amount of praise was given the *better bale* made by this new "king of the twine-ties." Owners handled these bales, stacked them, fed them . . . observers lifted and measured them, checked for compactness and tightness and all agreed, "Here's a *real* bale." With a *fork-type feeder* that distributes the hay evenly in the bale case . . . *two sharp knives* that slice each charge . . . *efficient hay retainers* on the top, bottom, and both sides of the bale case . . . *bale groovers* that form twine channels in the bale . . . *accurate knotters* . . . positive tension and length adjustments, it's easy to see why the No. 14-T makes better, neater, firmer bales.

GET THE FACTS

Chances are that a No. 14-T operated in your area last summer. Talk with men who operated this great new baler . . . learn why they rate it "tops" among twine-ties. Put the facts together and you'll see that the John Deere No. 14-T is worthy of all praises given it . . . that it's the twine-tie baler you should have in your operations. See your John Deere dealer and get complete details.

See Your John Deere Dealer

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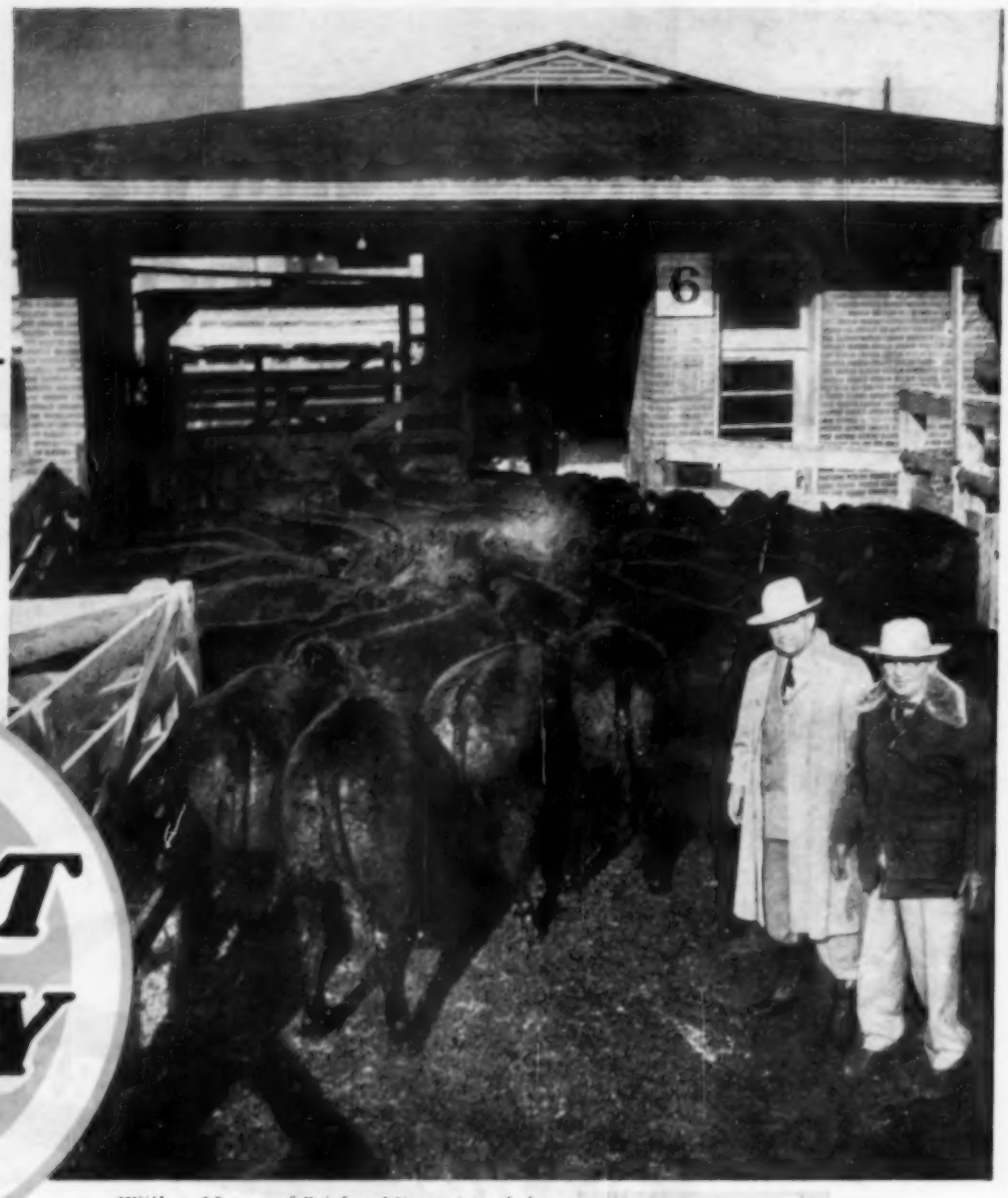
This is the moment you're glad you fed

SWEET LASSY ®



Wilber Means of Fairfax, Missouri is glad he fed Sweet Lassy to his cattle. Shown with him in the above picture is his Sweet Lassy dealer—H. O. (Sandy) Moody, Mound City, Missouri.

Wilber Means

No other kind of supplement gives such big, fast, efficient beef gains

Faster gains . . . lower feeding costs . . . wider margins . . . that's what you'll hear when you talk to SWEET LASSY Feeders. For cattle fed out on this great supplement usually have a better finish . . . they grade higher . . . bring more money when marketed. And there's several good reasons why:

First: SWEET LASSY stimulates the action of the *rumen bacteria.* Helps cattle convert more of feed they eat to beef.

Second: SWEET LASSY is a great appetizer. Cattle stay on feed better.

Third: SWEET LASSY balances out grain and roughage for better nutrition . . . lower feed costs.

Fourth: SWEET LASSY gives the hide and hair of an animal a rich, deep-tone "sheen" which indicates a well finished animal.

Fifth: SWEET LASSY is available with *STILBESTROL . . . AMAZING NEW GROWTH STIMULANT* which has produced up to 37% faster gains on 10% to 20% less feed.

When you combine all these benefits, is it any wonder SWEET LASSY feeders are so enthusiastic about this great feed. So do as thousands of progressive feeders are doing. Put your cattle on SWEET LASSY today! It's available with or without Stilbestrol, and in a choice of protein content to fit any ration you may be using. Why wait? Get your cattle started on the road to bigger beef profits today!

See your dealer for a supply!

Available in Range or Bunk Size Pellets manufactured in 11%, 22% and 30% protein. SWEET LASSY can also be obtained with Vitamin "A" where conditions indicate it is needed.

Now available with STILBESTROL

SCHREIBER MILLS, INC. ST. JOSEPH, MO.

by **Al Bull**

Money from meat type hogs

Meat type sows raise big litters of healthy pigs for William Wirt, of Des Moines county, Iowa.

DO MEAT type hogs cost more to raise?

No, say Corn Belt farmers and research men. They've found that meat type hogs can produce big healthy litters that finish fast and cheap. In many cases, faster and cheaper than common lard type hogs.

Here's how Roy Joslin and son Bob of Cedar county, Iowa, feel about their meat type hogs:

"Pigs from meat type sows just seem to have more zip," says Roy. "They start bigger and stay that way."

Then he adds, "I had to change my mind on meat type hogs. A few years ago, I wouldn't have believed you could raise them without extra feed."

"Our meat type hogs gain just as fast and cheap as any of the lard type we've raised," agrees Bob. "And they seem more vigorous all the time."

William Wirt of Des Moines county, Iowa, likes the fast gain of his meat type hogs. He says, "I sold two loads at just under five months from farrowing. One load averaged 211 pounds. The other, 212. I don't know how I'd beat that with any other hogs."

Walter Hagen of Allamakee county, Iowa, kept close records on his meat type hogs.

After checking cost and income figures, he concludes, "I'd raise meat type hogs even if I didn't get a market premium. Sows have big uniform litters. Pigs are healthy and gain fast. They do better than the lard type I used to raise."

"There's a difference between meat type hogs and the old bacon type," he points out. "It takes a lot of time and feed to finish out some of those long, lean bacon hogs. But that's not true for meat type."

Hagen is sure of that. In 1953, all of his hogs moved to market within five months or less. Average weight was 204 pounds. They were sold on a grade and yield basis. Standard yield for the market was 68.46 percent. But Hagen's meat type averaged 70.23. And he ended up with an extra 68 cents a hundred in his pocket.

Last year, a load weighed 208 pounds at a little under five months of age. Again he was paid a premium price.

"That premium is enough to pay for the best boars," says Hagen. "But even without it, the other advantages would keep me sold on meat type hogs.

Experiment stations have noted these "other" advantages, too.

At the Wisconsin experiment station, swine specialist Robert Grummer found feed efficiency differences. Meat type hogs averaged 431 pounds of feed per 100 pounds of gain. Other hogs needed 466 pounds.

Both purebreds and crossbred combinations were tested.

L. N. Hazel at the Iowa experiment station found no difference in feed costs for raising hogs of different carcass grades. Oklahoma tests showed similar results.

In Ohio tests, Durocs were full fed. The 10 leanest and 10 fattest animals were compared. Average daily gain was the same. But the lean hogs yielded 10 percent more lean cuts. And they were worth about $1.50 more at market time.

Swine specialist David England summarized Hormel Institute experiments this way: On the average, leaner pigs seem to grow faster and use less feed than do fatter pigs. He placed the average feed saving at about $2.00 per pig.

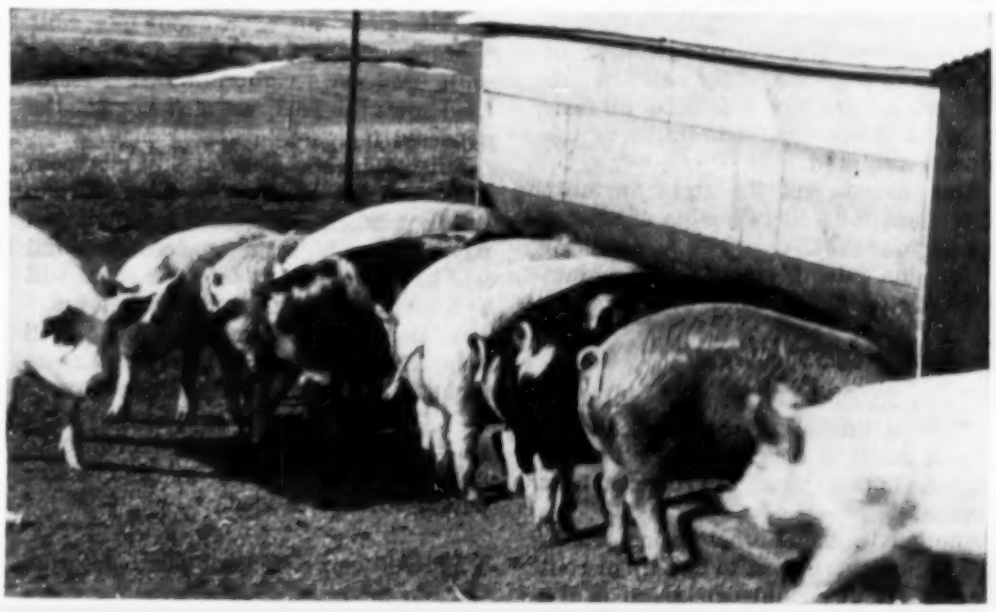
But efficient and fast gaining pigs can be produced in either meat or lard type, he points out.

L. F. Tribble of the Missouri station agrees. Then he adds, "But when you get a good line of meat type hogs, you often get better milk production in the mothers. And maybe larger litters. A meat type sow is usually a good mother."

The story adds up like this: Meat type hogs gain just as fast as lard type. And they use feed as efficiently.

Just as with lard type hogs, how well you do depends on getting good breeding stock. And on using good management. Then meat type hogs give you a real chance for extra profits.

Fast, low-cost gains on meat type pigs please Wm. Wirt, Des Moines county.



Mud or Snow?

Which tracks up the kitchen floor worse? Farm women have a chance to check up this month. The kitchen floor is getting a dose of both mud and snow, sometimes separately, sometimes a mixture.

No cure is known. But April will be better. Just mud, no snow. And May might be dry.

In the picture above, Dick Merfeld, 14, and Roger, 10, do chores in the snow. On father Lester Merfeld's farm in Buchanan county, Iowa. Snow today, mud tomorrow.

Editorials...

H-Bombs to Farms?

SOME WEEKS ago, Wallaces' Farmer and Iowa Homestead pointed out what the H-bomb could do in farm territory. If an H-bomb hit Des Moines and the wind were in the southwest, the "fallout" damage would extend thru Marshalltown and Waterloo and hit every farm on the way.

Now Lewis L. Strauss of the Atomic Energy Commission has finally made an official statement on this subject. It was high time. People can't discuss policy in this field until the officials turn loose a few facts.

Strauss speaks of a contaminated area "extending approximately 220 statute miles down-wind and varying in width up to 40 miles."

How do you keep from being killed if you're in this area? The old fruit-cellar is the best bet. Get underground with three feet of earth above you. Stay there for two or three days, and your chances are good.

This, of course, is outside the blast area. In the area only eight or 10 miles from the explosion, nothing will help you.

What do we do about the situation? Wallaces' Farmer and Iowa Homestead returns to a suggestion made earlier. Try for an international agreement to stop testing of H-bombs. Improvements —if that's what you call them—in H-bombs will stop if the tests stop. And violations can be checked easily.

Main thing now is to get the facts out in the open and discuss the problem. We've been slow. Now that Strauss has finally opened the door for discussion, maybe something can be done.

How To Break Your Hip

OLD PEOPLE FALL and break legs or hips easily. But what actually happens sometimes is that the hip breaks and then the old man or woman falls.

Old age and poor diet have weakened the bones.

Your bones need calcium. There's lots of it around, but even so lack of calcium is one of the great weaknesses in the diet of Americans.

It is also a great weakness in the diet of Iowa women. An Iowa State College survey shows the average woman of 70 or more is getting only half the calcium she needs. And women of all ages are getting less than two-thirds of the calcium required.

How do you get the right amount? Easy enough. Add two cups of milk a day to your diet.

Men don't drink enough milk either. But they do drink more than women.

To Raise Less Wheat

WHEAT SUPPORTS in 1956 will drop to $1.80 a bushel as compared to the present $2.06, if congress doesn't make a move. Is this the way to reduce wheat acreage?

Another way, and a better one, would be for the government to buy up or rent a lot of the marginal wheatland in the west and put it into grass, as was done in the '30s.

Help for hogs

Food stamp program would help eat up hog, milk surplus

HAVE hog prices hit bottom for 1955? Every farmer hopes so. Undoubtedly there will be some price increase in the summer. But what about next fall?

Much depends on what farmers do with bred sows right now. If a lot of bred sows are sold, we may not get the expected increase in spring pigs.

Much depends also on payrolls next fall when the 1955 spring pigs start to roll to market. Unless employment and payrolls are high, hog prices next fall will be in trouble. Remember there will be a lot of beef on the market then too.

Selling hogs at lighter weights would help. But farmers need more encouragement in premium prices for meat-type hogs. Farmers get lots of pretty talk about raising meat-type hogs, but not much extra pay at the market. Extra pay is what is needed.

WHAT can a federal farm program do for hogs? Right now, there are no supports for hogs. And the present farm program seems aimed at shifting into feed crops the acres taken out of wheat and cotton.

Actually the supply of pork per person is not unusually large. A slight increase in consumption would clear up the hog surplus.

How can we get this increase in pork consumption? One way is to revive the old food stamp program.

About 10 million people in the United States are getting some kind of public relief. Many of these are old people. Some are children in broken homes. Every investigation shows that both groups are getting less protein and less vitamins than they need.

A food stamp program for people like these would use up the dairy surplus in a hurry and would whittle down excess supplies of pork, beef and eggs.

EVERY hog producer, every dairyman and every poultry raiser should get behind a revival of the food stamp plan.

City people would like the plan too. To them, as to farmers, it makes sense to feed the surplus to the needy.

Farmers have always been strong for the food stamp plan. Now they need to convince their congressmen.

More Corn For Russia

THE NEW BOSS of Russia, Khrushchev, says he is going to increase corn acreage nine times by 1960. And he is going to plow up millions of acres of marginal land to increase wheat production.

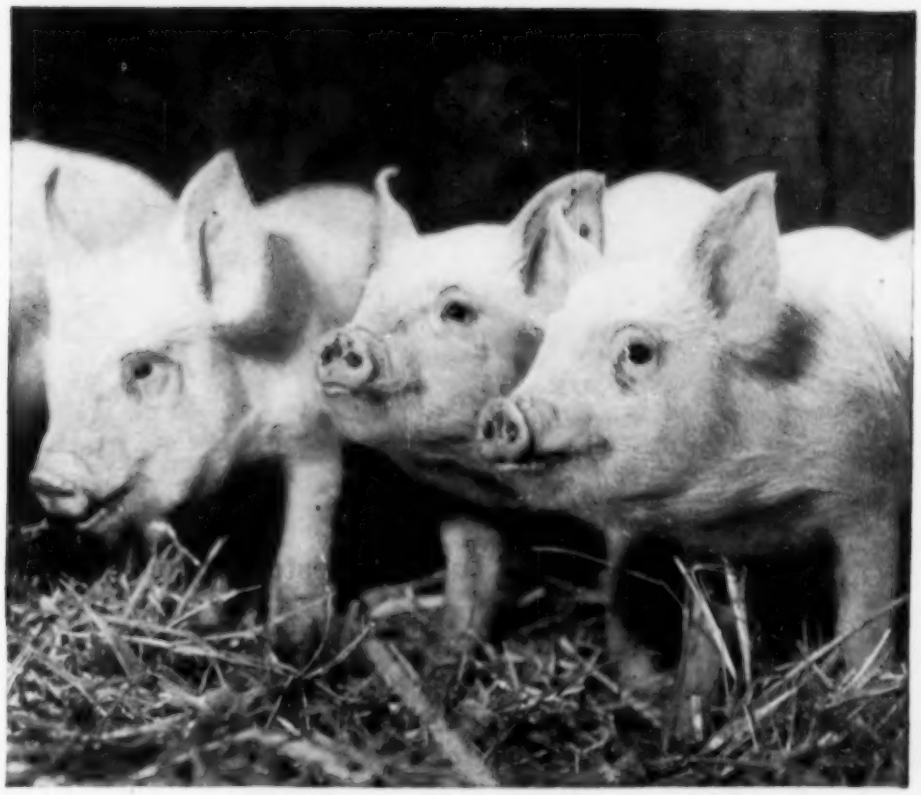
Now all he needs is an improvement in the Russian climate—more rain and more sunshine—and farmers willing to do the work.

Russians have done some amazing jobs in industry. They have produced excellent tanks and planes in quantity. But in farming, the Russian leaders habitually fall on their faces.

One trouble is that they have refused to make use of their best scientists. The bosses asked the scientists to say what the bosses wanted to hear instead of reporting facts. That has slowed up progress.

Another trouble is that the Russians tried to make factory farms. One big farm operated by a thousand men seemed better to them than a thousand farms. But actually the big farm produced less.

Agriculture is Russia's weak spot. We worry about surpluses in the United States, but Russia worries about shortages. Of the two, we'll take surpluses.



"What are we worth?" Farmers wish they knew the answer. More early spring pigs than usual in Corn Belt right now and lots of guessing as to price when the pigs go to market next fall. One guess: Better sell early.

Odds and Ends . . .

IF THERE'S a wet spring, watch out for rootworms and wireworms. If we get a dry spring, watch out for grasshoppers and chinch bugs.

. . . INSURANCE covers half the hospital bill and less than half the surgical bill of families of the nation. Do you have both kinds of insurance?

. . . RENTING MARGINAL wheat land, in order to shift from wheat into grass is provided by a bill introduced by Anderson and Marshall of Minnesota.

. . . MORE OFF-THE-FARM storage space for grain has been built in the last four years. Big elevators now can handle 30 percent more grain than in 1951.

. . . SOME BACKERS of flexible supports now say that 75 percent isn't low enough, that grain supports should range from zero to 90 percent. Like beef, hogs and eggs?

. . . NEARLY A MILLION farmers will be 65 by 1957 when social security really takes hold for farm operators. One guess is that almost half of these older farmers will retire as soon as the first social security check is in sight.

. . . THE NATION has more livestock than ever, but the valuation in dollars has shrunk. It's $11.4 billions now compared to $19.6 billions in 1952.

. . . DO YOU think farm product prices are low? In 1940, in Iowa, hogs averaged $5.30, eggs 14.4 cents a dozen and butterfat 29 cents a pound. Costs were lower too, and farm product prices were 82 percent of parity.

. . . FARM COOPERATIVES in Iowa have 398 thousand members. Missouri has 439 thousand and Minnesota 570 thousand. Most farmers belong to more than one cooperative.

. . . SPECIAL SCHOOL milk program, sponsored by the agriculture committee of the house of representatives, is the only farm bill passed in the last two years that seems to have helped farm income.

. . . FARM BUREAU is urging that the draft take the young fellows first, and put them thru service before they're 23.

Song of the Lazy Farmer

DESPITE the chores that it will bring, I'm mighty glad to welcome spring; it's great to reach the season when a guy can get outside again. I've often wondered 'bout the folk who live in city fumes and smoke and don't know what a thrill's in store when life begins to stir once more. They've never had a chance to laugh at antics of a new-born calf; they can't believe, 'cause they don't see, how high a lamb can jump, by gee; and think of all the kids there are who know the sound of train or car but never hear a litter's squeals or baby chicks' high-pitched appeals.

Apartment dwellers prob'ly think that country smells are mostly stink, but that's because they've never sniffed the pleasant perfume that will lift when rich black soil is overturned; and those poor souls have never learned the joy of watching leaves unfold when springtime warmth replaces cold. The sight of brown fields turning green is something they have never seen; they'd think me crazy to suggest it's fun to watch birds build a nest. I even think it's awful sad that there are folks who've never had to go to work 'fore dawn, by heck, or wade in mud up to their neck.

R. M. Evans
Answers
Questions

What about future livestock prices?

Should we export more food?

How big a corn reserve do we need?

What's the farm program doing?

R. M. (Spike) Evans was chairman of the first Iowa AAA committee, was later administrator of the national AAA, and still later the farm member of the Federal Reserve Board. Now he is back in Iowa. In a tape-recorded interview in the office of Wallaces' Farmer and Iowa Homestead, editors Murphy and Hush asked him some questions about farm policy.

QUESTION: How big a reserve supply of corn does the nation need? You might tell us first what we ought to have just for a strategic reserve in case of war.

ANSWER: We thought we had tremendous supplies of farm commodities when World War II started, and yet they proved to be insufficient. When Korea came along, what looked like a surplus turned out to be something else.

The government should make a decision as to how much is needed and then farmers should say: "All right, we'll produce and deliver. But you put our stuff over on the same vacant lot where you put the tanks and airplanes." That strategic reserve should never be on the back of American agriculture.

QUESTION: What about reserves against bad weather—drouth, for instance?

ANSWER: I'd say a billion bushels of corn is not a bushel too much. I remember 1934 and 1946 too well. And most businessmen would agree on this.

I talked to one businessman the other day. He was complaining about too much corn. And I asked: "How much of that stuff do you think we've got hanging around? How long would our reserve corn feed our livestock?"

"You've got about a year's supply, I guess," he said.

"Figure again," said I. "We've actually got enough corn in reserve to keep us going 80 or 90 days. Is that enough?"

"Certainly isn't," he said. "I wouldn't run my business with that kind of reserve."

QUESTION: Are we in danger of turning our surpluses of wheat and cotton and corn into surpluses of livestock in the next few years?

ANSWER: That's the way it looks to me. If there is any one sure thing that a fellow can say today about agriculture, it is that our farm income over the next couple of years is going to be less than it was in 1954.

QUESTION: What do you suppose would happen if we ran into a real drouth in 1955 or 1956?

ANSWER: We keep assuming that we'll have a good crop year. Now it is just 20 years since our last bad drouth. Just suppose something like that happens again. A cut of feed crops by 15 or 20 percent would force a terrific sacrifice of livestock. Our present feed reserves wouldn't be enough to cover the loss.

QUESTION: You'd say then that our feed grain reserves are not large enough to take care of a bad crop season, and are also far short of the requirements of a strategic reserve in case of war?

ANSWER: Right. I think it was the year after the 1936 drouth, I was making a speech in Boston. And one of the men said to me: "Spike, the drouth has now hit Boston."

What he meant was that livestock prices had been dirt cheap while farmers were selling off as a result of short feed supplies. But the next step was for the shortage of livestock to force prices up. So the consumer in Boston was finally feeling the drouth.

As I remember it, livestock prices in Iowa almost doubled from the liquidation period in 1934 to the high point reached in 1937.

QUESTION: What do you think about the 12 percent cut in corn acreage for 1955?

ANSWER: I would be reluctant to do much cutting if the government wants to create a strategic reserve. The government is willing to pile up billions and billions of dollars of war goods which deteriorate 33 percent a year from obsolescence. But they hesitate to pile up food reserves that are also valuable in war and which don't deteriorate at anything like that rate.

Food is the best weapon for fighting Communism that anybody's got. And we're the only nation that has that weapon or can have it if we want it.

QUESTION: What about the present program of trying to sell $700 million of farm products abroad and taking foreign currency in exchange? There's a clause in the deal that says this is to be done without lowering the price of farm products in the nation we ship to.

ANSWER: If it can be done that way, it's fine. We had a clear demonstration of what food hand-outs would do in east Germany. There we put out some small packages of food. Women with babies in their arms went right thru the Russian bayonets to get that little sack of food.

QUESTION: Then the export problem is to ship the stuff overseas without depressing the world market and to get it into the hands of consumers who otherwise couldn't buy it?

ANSWER: Oh, yes, you must do that. The poor fellow who has never had a meal ahead in his life—that's the fellow who should get it.

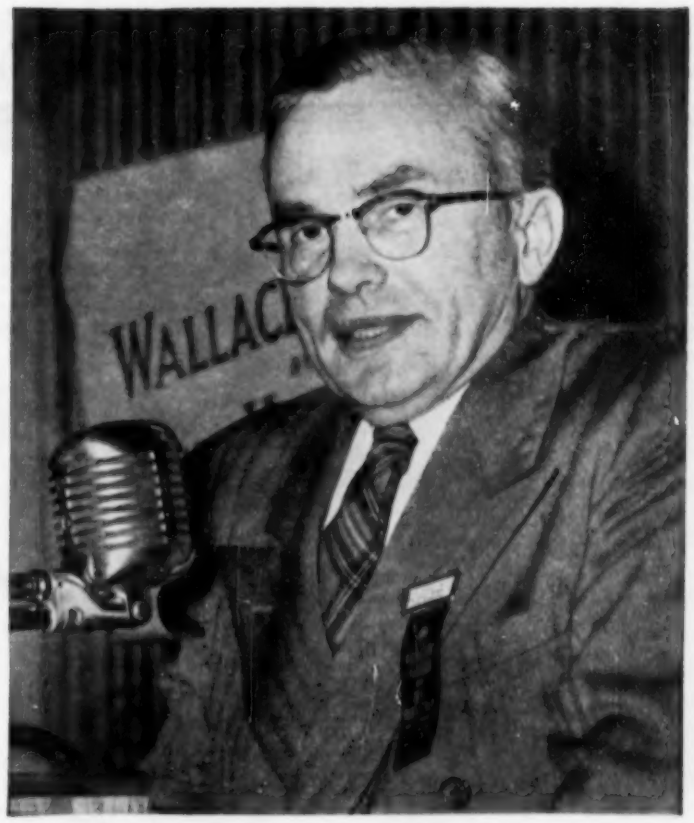
QUESTION: I've noticed that Secretary Benson talks a good deal about the storage costs of the farm program. Would you care to comment on that?

ANSWER: I surely would. If we're going to talk about the cost of storage, let's talk about the cost of all storage used in connection with the hot or cold war. For instance, take the cost of the great warehouses built to store ammunition in. I'd be perfectly happy to have the cost of all farm products put up against the cost of storing tanks and guns and airplanes . . .

It takes a lot of money to run the army and navy and airforce. And the men are just standing around waiting for trouble and we hope they'll never have to do any more fighting.

That's the way with the storage of farm products. We hope we'll never have a disaster big enough to make us use up these reserves. But even if storage costs should get higher, we still want to be safe.

Homemaking editor Zoe Murphy is as much at home in her kitchen as behind this desk. The mother of two grown sons, she knows homemaking and family life problems from experience. Reared on a Minnesota farm, Mrs. Murphy has a deep appreciation of rural living.



Editor Donald R. Murphy keeps posted on farm programs, legislation, business, farm organizations, schools, roads and other influences on farm business and farm living. He's nationally recognized as a leader in farm opinion polls and farm paper readership studies. A native Iowan, Murphy often is asked to express farm sentiment.

Meet the editors

WANT to meet some of the "hands" you hired when you subscribed to Wallaces' Farmer and Iowa Homestead?

Pictured here are the editors. It's their full-time job to help keep you up to date on what's new, practical and profitable in farming.

How do they go about that job? To get an idea, turn to page 30. See what's behind one story in this issue.

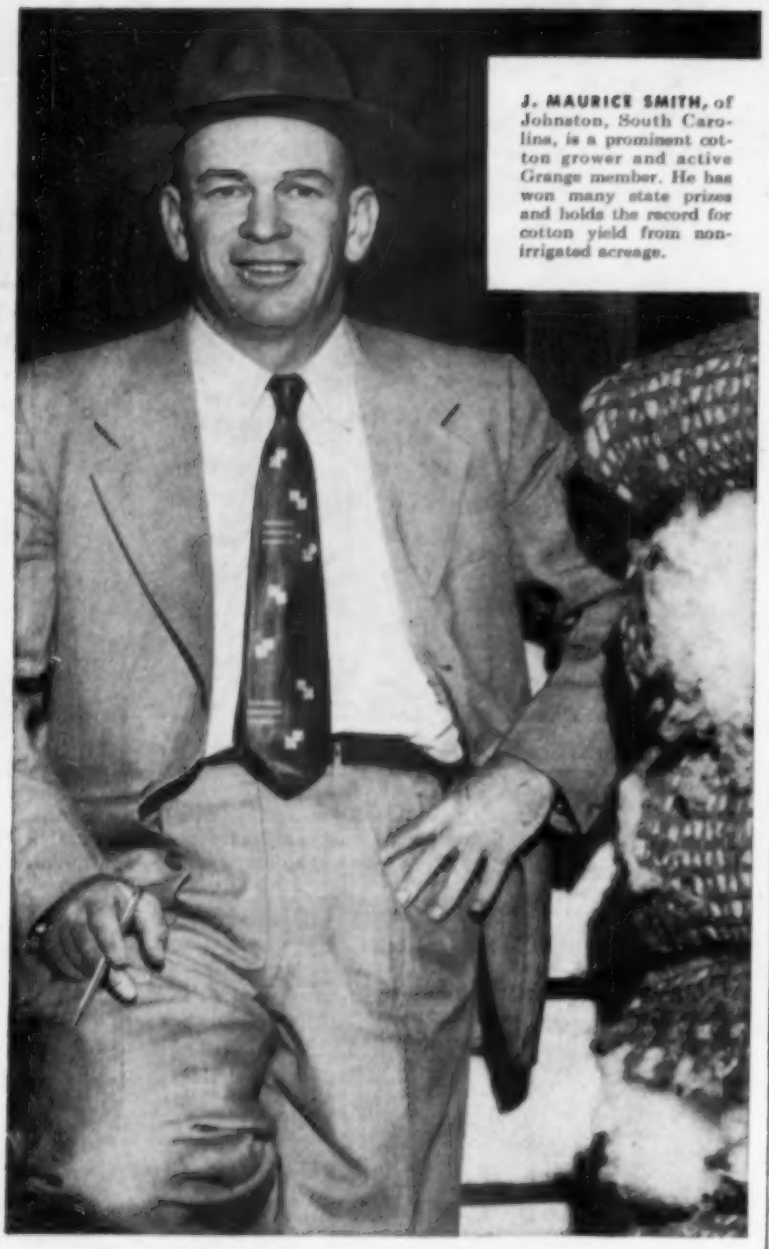
Managing editor Lee Thompson comes from a South Dakota farm via the University of Missouri. He coordinates work of other editors, keeps informed on agricultural research, conservation and livestock health problems.

Associate editor Homer Hush writes about farm management problems with a rich background of experience. He operated a Montgomery county, Iowa, farm for a number of years. Hush keeps a keen eye on legislation and tax law changes affecting farmers. He reports market and weather trends—tips for better farming.

Assistant editor Ray Franklin has an Arkansas farm background and an agricultural degree from University of Arkansas. He answers service bureau letters—keeps posted on social security, farm credit, poultry and dairy production.

Field editor Dave Bryant is the product of an Appanoose county, Iowa, farm and agricultural journalism study at Iowa State College. He keeps informed on weed and insect control methods, hog feeding and management, farm buildings, etc.—reports farmers' experiences.

Field editor Al Bull grew up on a Wapello county, Iowa, farm and earned a degree in crops and soils at Iowa State College. He keeps up to date on fertilizers, cropping practices, cattle feeding, machinery, etc.—writes of farmers' experiences with newer farming methods.



J. MAURICE SMITH, of Johnston, South Carolina, is a prominent cotton grower and active Grange member. He has won many state prizes and holds the record for cotton yield from non-irrigated acreage.

"LUCKIES TAKE THE PRIZE WITH ME!"

"Ever since I first started smoking, about twenty-three years ago, Luckies have been my choice," says J. Maurice Smith, one of South Carolina's leading cotton growers. *"They take the prize with me . . . they always taste better."*

Luckies taste better for excellent reasons. First of all, Lucky Strike means fine tobacco. Then, that tobacco is *toasted* to taste better. *"It's Toasted"*—the famous Lucky Strike process—tones up Luckies' light, mild, good-tasting tobacco to make it taste even better . . . cleaner, fresher, smoother. So, Be Happy—Go Lucky. Enjoy the better-tasting cigarette . . . Lucky Strike.

LUCKIES TASTE BETTER

Cleaner, Fresher, Smoother!

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PRODUCT OF *The American Tobacco Company* AMERICA'S LEADING MANUFACTURER OF CIGARETTES

Control room in Monona county, Iowa, liquid fertilizer plant is mostly pipes, valves and meters. Most materials are moved by pumps.

Apply fertilizer with sprayer

TIRED of lifting bags of fertilizer? Then new liquid fertilizers are something you will want to watch.

Liquid fertilizer is no wonder product. It is just like dry fertilizer. A pound of plant food from one is the same as a pound of plant food from the other.

Phosphoric acid is the key to mixed fertilizer in liquid form. Most other forms of fertilizer phosphorus are only slightly water soluble.

Several grades and ratios of fertilizer can be produced in this clear liquid form. The liquid develops no pressure. So it can be sprayed on the soil. No need to inject it into the soil. Equipment can be less expensive since it doesn't have to stand high pressures.

For non-corrosive liquids, a regular farm sprayer can be used. Calibration and other problems are much the same with any other spray job.

Farm storage could be a problem. The liquid fertilizers form salts at a few degrees below freezing. During warm weather, it could be stored in ordinary drums. But 50 gallons would weigh just over 500 pounds.

Big advantages of liquid fertilizer are labor saved. And faster application. Price is just about the same as for dry fertilizers.

Soil insecticides can be mixed with the liquid right on the farm. Then, the two can be sprayed on in one operation.

How do farmers like the idea of liquid fertilizers?

George Stanislav of Monona county, Iowa, says, "We used some liquid nitrogen last year. We found it easier to handle."

Jim Whiting, also of Monona county, says, "I plan to use liquid fertilizer as a starter fertilizer for corn. I'll use a hose to connect the sprayer to the planter shoe."

Then he adds, "Pumping fertilizer thru a sprayer will be less work than lifting heavy bags. And there won't be as many stops to fill up with fertilizer."

"Guess what you're going to surprise me and do today!"

Iowa Hog Feeder Convinces Himself; Keeps Accurate Feeding Records—

Produced pork for 9.7c feed cost per pound of gain on 164 hogs with "4x4" Life-Cycle Feeding Program—

Increasing production costs and fading hog prices continue to test the hog producer's ingenuity. One producer to come through with flying colors is Fred Dressler, Anita, Iowa.

"My reasoning is this," says Mr. Dressler. "We can't do anything about the price we get but by watching corners, we can cut the cost of a pound of gain—thereby increasing the margin of profit!"

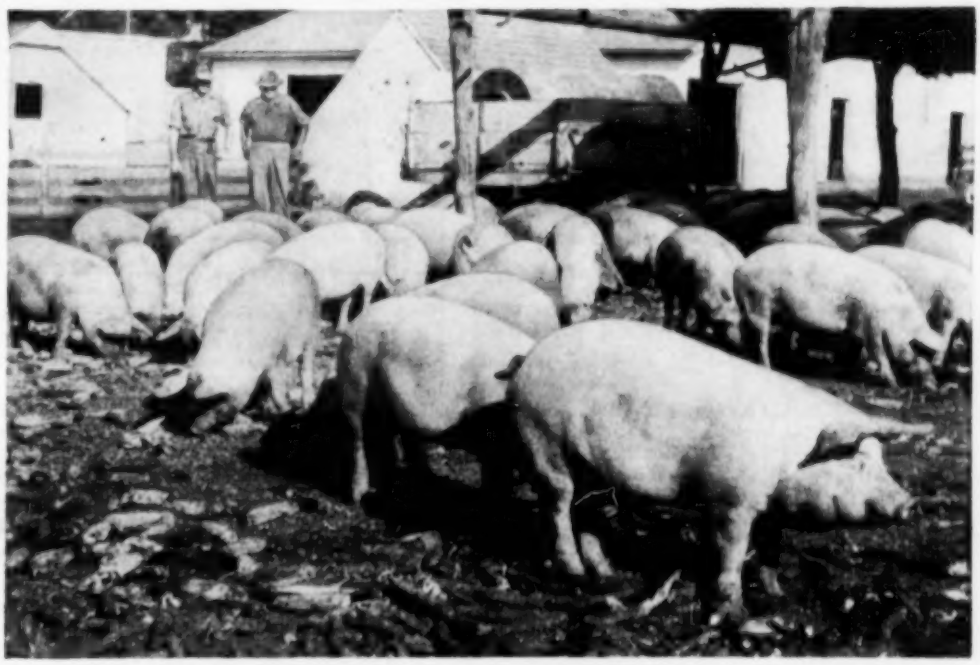
KEEPS ACCURATE RECORDS

Mr. Dressler keeps close tab on production costs which must be kept down if he is to reach his goal of $20.00 margin per head on his hogs.

Records show on 164 head of Spring Pigs that feed costs were $20.17 per hog—or 9.7c per pound of gain. The hogs averaged 208 pounds at 5½ months. Market prices ranged from $18.75 to $21.00. He marketed 164 hogs from 18 sows—an average of 9.1 per litter.

FEED COSTS!

Mr. Dressler fed 1,228 bu. corn ($1.50 per bu.)—455 bu. oats (80c per bu.) making grain costs $2,326.00. He allowed $120 for alfalfa pasture. In addition, he fed $982.40 worth of "4x4" Hog Supplements to complete his balanced ration. The Iowan is a booster of Walnut Grove products from start to finish. He credits them with being a real cost reducer.



LOW COST FEEDING—Fred Dressler (left) and Leo Prall, Walnut Grove representative, look over part of the 164 hogs raised last year on the Dressler farm. With Walnut Grove's "4x4" Life-Cycle feeding program, feed costs were $20.17 per hog, birth to market.

Only a Life-Cycle Program Can Give You Maximum Profits! WHY?

A hog's nutritional requirements vary according to age and weight. Supplements fed — to produce the fast, economical gains you want — must be tailor-made for each nutritional stage in a hog's life. Walnut Grove's "4x4" Life-Cycle Feeding program provides supplements specifically made for the nursing period, pre-starting, starting, growing, finishing and Gestation-Lactation.

Feeding profits add up when hogs are fed according to their nutritional needs. You, too, can raise hogs with feeding costs of $20.17 per hog, birth to market, with Walnut Grove's "4x4" Life-Cycle Feeding program. You'll raise better-doing, thriftier hogs.

This is Walnut Grove's "4x4" LIFE-CYCLE FEEDING PROGRAM

Birth to 8 weeks "4x4" Pig Pre-Starter, "Baby 4x4" Creep Supplement, "4x4" Pig Toasties

8 weeks to 125 pounds "4x4" Hog Grower

125 pounds to market "4x4" Breeder-Finisher

Gestation-lactation "4x4" Breeder-Finisher

This is the program followed by Mr. Dressler and thousands of other satisfied Walnut Grove users.

Which Method for You?

"4x4" Chick Starter 241

"4x4" Starter-Grower

Either way—your chicks will get that faster start—grow quicker! "4x4" Chick Starter 241 (a complete feed) and "4x4" Starter & Grower Concentrate both contain high levels of vitamins and antibiotics to hold down death loss — make faster-growing, healthier chicks! If you want to put pullets in the laying house for 60 to 65 cents feeding cost per bird, start your baby chicks on Walnut Grove's baby chick program.

Walnut Grove

Products Co., Inc., Atlantic, Ia.

Manufacturers of complete "4x4" Feed Supplements

"4x4" for Hogs
Pre-Starter
Maxmalk
"Baby 4x4"
Pig Toasties
Hog Grower
Breeder-Finisher

"4x4" for Cattle
Beef 25
Beef 25 with Stilbestrol
Beef Finisher
Beef Finisher with Stilbestrol
Dairy Sumix
Dairy Supplement
Super Calf Supplement

"4x4" for Poultry
Chick 241
Starter-Grower
Concentrate
Balancer

Walnut Grove Minerals for Cattle, Hogs and Sheep

For additional information or the name of your Walnut Grove representative

MAIL THIS BLANK TODAY!

To: Walnut Grove Products, Inc., Atlantic, Iowa

I would like information on:

☐ "4x4" Hog Supplements ☐ "4x4" Poultry Supplements

☐ "4x4" Beef Supplements ☐ "4x4" Dairy Supplements

☐ the name of my Walnut Grove representative

Name .....

Street or RFD .....

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More Corn per acre with Geigy ALDRIN

Kills Cutworms, Rootworms!

Cut worms and other soil pests can cost you half your corn crop . . . leave you powerless to stop them as they rob acre after acre of half its yield! But now you can *prevent* this disaster . . . easily and economically . . . with Geigy's Aldrin!

One Pound Treats an Acre — May Save 40 Bushels!

One pound of Aldrin will treat an entire acre of corn land . . . and at a very small cost! Aldrin is easily applied as a spray or in fertilizer mixtures — either before or during corn planting. It kills cutworms, wireworms, seed-corn maggots, white grubs and seed-corn beetles, whenever and wherever it is inhaled, eaten or touched . . . and one application remains effective for months. The more productive your land, the more you need Aldrin, the chemical that may save half your corn crop. Ask your dealer for an Aldrin-fertilizer mix — if your land is worth fertilizer, it's worth Aldrin! Geigy Aldrin is formulated and distributed by **GEIGY AGRICULTURAL CHEMICALS,** *Division of Geigy Chemical Corporation,* Des Moines, Iowa.

The Originators of **DDT** Insecticides

GEIGY

Soil Insecticides

Visits With Your Vet

Swine Erysipelas Increases

Slaughter records and field surveys both show an increase in swine erysipelas.

When erysipelas hits a herd, the owner can suffer severe losses. What are some of the common causes for spread of erysipelas?

One cause is failure to get rid of carrier pigs and letting them move over a wide area. Some hogs may carry the disease for a long time.

Repeated farrowings in old lots and buildings is risky. The erysipelas organisms can live a long time in the soil. Animals weakened by parasites or scours are easier targets for this or any other disease.

If erysipelas hits your hogs, it's important to get an accurate diagnosis at once. If there is a history of erysipelas on your farm, protect your hogs by vaccinating. Ask your veterinarian for advice on this.

To control erysipelas, try these steps:

1. Quarantine infected hogs as soon as discovered.
2. Strict sanitation. This means clean farrowing pens, yards, and pastures.
3. Quarantine herd replacements for 30 days before adding them to the herd.
4. Vaccinate pigs when they are young according to your veterinarian's recommendations.

Pneumonia In Calves

A connection between pneumonia and scours has been found in Wisconsin studies.

Workers there have been investigating the ailment called "white scours," "calf enteritis," and "pneumonia enteritis." Workers found that pneumonia is only a part of the complex problem. Diarrhea shows up in the early stages with pneumonia found in the later stages.

Cattlemen should keep this dual involvement in mind when they find that some of their calves are scouring.

Play It Safe!

Father is having
An anxious time;
Left a ladder
For Junior to climb.
—Beth Wilcoxson

Harvest Bigger Yields

Control Rootworms with Aldrin

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PELLETS OR SEMI-GRANULAR Available with ALDRIN

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You'll Score Every Time

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GRANULATED FERTILIZERS

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● Yes, you'll score everytime . . . in healthier plants, heavier yields—and higher profits! Cornland Granulated Fertilizers are formulated especially for Iowa crops and soils in all major ratios recommended by Iowa State College . . . and with the famous Aldrin Insecticide added at any rate you desire, you can destroy corn rootworms and other soil insects as you apply your Cornland Fertilizer. Insist on the finest fertilizer-insecticide mixture . . . insist on Cornland Granulated Fertilizers with Aldrin. Many companies now mix Aldrin with their fertilizers . . . but NO COMPANY has had as much experience in this process as Cornland Plant Foods . . .

That's Why Last Year Iowa Farmers Used MORE

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Granulated Fertilizers with

ALDRIN

Than Any Other Aldrin-Fertilizer Mix On The Market!

● Every year the demand for Cornland Granulated Fertilizers far exceeds the supply. Don't be disappointed . . . place your order NOW! Cornland Granulated Fertilizers are GUARANTEED to remain free-flowing no matter how long you store them!

FREE! Our new, colorful pamphlet with actual photos on crop starvation and the steps you should take to correct these conditions. Mail coupon today for your FREE copy and the name of your nearest Cornland Dealer.

CORNLAND PLANT FOODS
GRINNELL, IOWA

Cornland Plant Foods,
Grinnell, Iowa
Rush me my FREE pamphlet on crop starvation and the name of my nearest Cornland Dealer.

Name.....

Post Office.....

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"Why, John! That's the nicest mistake you ever made. What I asked you to get was flour . . . f-l-o-u-r."

Why Sows Have Small Litters

There are many reasons why a sow may have a small litter. If any of your sows disappointed you with small litters, run thru this list. Maybe you'll find the reason.

1. Disease such as brucellosis, lepto-pirosis or flu during breeding or pregnancy may cause small litters.
2. Poor rations.
3. Not enough exercise.
4. Sows too fat or too thin.
5. Sows not bred at correct time of heat.
6. Boar was not a good breeder.
7. Both boar and sow inherited tendency for small litters.

Leptospirosis In Illinois

How dangerous is leptospirosis? Here's what laboratory tests in Illinois have shown:

A total of 23,023 cattle and 4,518 hogs from 2,153 herds and 575 droves of swine were tested for leptospirosis. Tests indicated that 3,337 cattle (14.5 per cent) and 878 hogs (19.5 percent) had the disease. Primary symptom seen in both cattle and hogs was abortion.

Lice And Mange Waste Feed

Cattle and hogs that are infested with lice and mange do not gain well. They do not use their feed as efficiently.

You can rid cattle and hogs of lice and mange by spraying with pressure equipment using lindane or chlordane. This can be done practically anytime.

Foot Rot And Enteritis

Foot rot in cattle and enteritis in hogs can be caused by the same organism. Old infected lots harbor these organisms for a long time.

Several feeders have found a way to help control this trouble. After lots are cleaned thoroly during the summer, they cover the lot with a thick layer of agricultural limestone. The limestone is not wasted as it is eventually hauled to the field with manure.

Low-down thieves!

Tiny soil pests can steal a lion's share of your corn profits . . . if you let them. A preventive soil treatment with aldrin gets soil insects quickly, economically—protects your investment.

Easy to use—A *single* spray application of aldrin, disked into the soil, gets rootworms and other pests for the entire season. Apply it broadcast or in the row. Or you can apply it mixed with starter fertilizer.

Here are a few of the many advantages you get with an aldrin treatment:

1. **freedom from lodging**
2. **easier harvesting**
3. **better quality corn**
4. **increased yields**

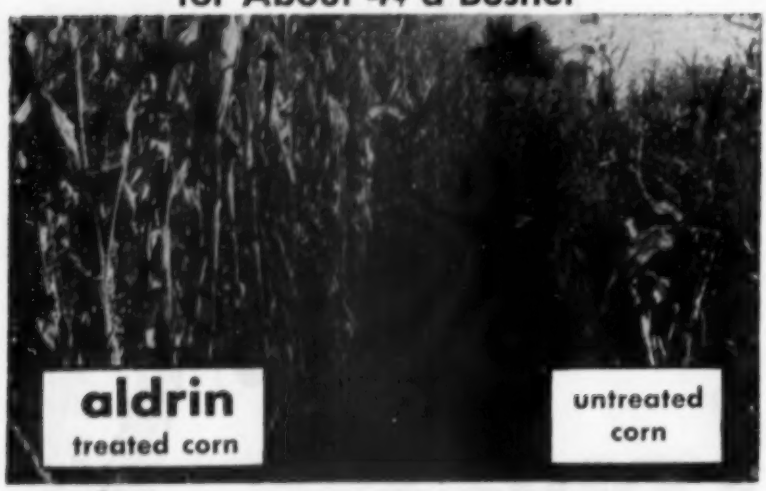
Now is the time to order!

Use an aldrin-fertilizer mix or spray with

aldrin

SHELL CHEMICAL CORPORATION
AGRICULTURAL CHEMICALS DIVISION
1221 Locust St., St. Louis 3, Mo.

"An EXTRA 50 BUSHELS for About 4¢ a Bushel"



"FARM-TESTED"

On a field treated with

aldrin we-25

"On the untreated soil corn lodged badly—yielded only 25 bushels an acre, had to be picked by hand. The aldrin-treated field produced 75 bushels an acre—at a cost of less than $1.50!"

Says—John Waters, Danville, Iowa.

Thompson-Hayward aldrin we-25 kills soil insects!

It's powerful. Only small dose required. Once in the soil, it kills all soil insects that touch, breathe or eat it.

It's easy to use . . . as a spray . . . mixed in fertilizer . . . or broadcast.

It's economical. For less than the cost of a bushel of corn, you can treat an acre with T-H aldrin we-25. Increased yield pays for aldrin treatment many times over.

See Your Dealer

ADEL—Campbell Flying Service
BREDA—Farm Service
CARROLL—Kloser's Seed Store
CENTERVILLE—Agricultural Service Co.
CLARION—Clarion Farmers Coop. Co.
COON RAPIDS—Garst & Co.
CRESTON—Ken's Spraying Service
CRESTON—Nord Flour & Feed
EAGLE GROVE—Eagle Grove Grain Co.
ELDON—A. D. Hayes & Co.
ELDORA—Crosley Farm Store
ELLSWORTH—Farmers Coop. Elevator
ESTHERVILLE—Golden Sun Milling Co.
FOSTORIA—Foster Feed Co.
HUBBARD—Farmers Coop. Elev.
INDIANOLA—H. C. Criswell Feed Store
LAKE CITY—Goins Farmers Supply Co.
LATIMER—Latimer Grain Co.
MARSHALLTOWN—Young Feed Co.
MASON CITY—Girton Farm Store
MT. AYR—Prentis Hatchery
NEWTON—Newton Seed Co.
OGDEN—Bergstrom Seed Co.
OSAGE—Osage Feed & Seed Co.
OSCEOLA—Langfitt Seed Farms & Elevator
PELLA—Bakker & Rus
PERRY—Perry Henry Fields Store
POPEJOY—Ackermans, Inc.
ROCKWELL—Farmers Coop. Society
SAC CITY—Wilson Russell Corn Co.
SPENCER—Hurt Farm Supply
STANHOPE—Hamilton County Coop. Seed Assn.
STATE CENTER—Goodman & Mead
STORM LAKE—Consumers Supply Co.
STRATFORD—Stratford Grain & Supply Co.
STUART—Farmers Elevator, Inc.
STUART—Farmers Elevator, Inc.
THOMPSON—Farmers Coop. Elevator Co.
WALL LAKE—Reiter Feed Co.
WEBSTER CITY—Community Coop. Elevator Assn.

or write

THOMPSON-HAYWARD CHEMICAL CO. Davenport, Iowa Des Moines, Iowa

But you CAN protect your income from these crops with Farmers Mutual Hail Insurance.

FARMERS MUTUAL HAIL INSURANCE COMPANY of Iowa

THROUGH LOCAL AGENTS

Home Office — 1019 High St. — Des Moines, Iowa

Corn requires about 7,000 gallons of water per acre per day during the period of maximum growth.—

Enough water to irrigate?

Be sure of a water supply before you invest in irrigation system

An adequate water supply is the key to successful irrigation. How much do you need? What are the possible sources? In this article, Ted Willrich, agricultural engineer at Iowa State College, answers these questions.

FEW Iowa farmers have enough water on hand during July and August to water 10,000 steers. Yet, that's the daily water requirement for 20 acres of irrigated corn.

Added to that, irrigation systems are most needed during drouth periods when streams are dry, ponds are low and livestock and household water needs are greatest.

And once irrigation is started, you have to keep it up. Irrigated crops suffer more than unirrigated crops if water is shut off.

All this means that you should be sure of your water supply before you invest in irrigation equipment.

Ponds, streams, pits, wells and sandpoints have been used as sources of water for irrigation in Iowa. All have advantages and disadvantages. Let's consider some of them.

FARM PONDS are a poor source of water for irrigation. Usually they don't hold enough water. Large reservoirs are better, but expensive.

The top four feet of water in a pond or reservoir usually is lost thru evaporation and seepage. It takes about a 10-acre reservoir—depending on depth—to irrigate 50 acres of corn.

The area in Iowa in which satisfactory farm ponds and reservoirs can be built is limited. Soils in the northern half and the western fourth of Iowa are porous. Seepage is a big problem.

FLOWING STREAMS provide low-cost water. But there aren't very many large flowing streams in Iowa. And small streams usually dry up during drouths.

Big disadvantage in using a flowing stream is that Iowa, as of now, has no legislation defining the irrigator's rights. Only the riparian doctrine of water use is accepted. That doctrine states that each landowner along a stream has an equal right to use of water from that stream for livestock and domestic purposes.

So an irrigator might lose his water supply if someone upstream decided to use the water. Or downstream landowners might get an injunction to stop an irrigator from using so much water.

So an irrigator who depends on a stream for water has no security as to future water supply.

EXCAVATED PITS in river bottoms where a high water table exists have been used by some irrigators. They make a dependable source of water if the water table is within 10 to 15 feet of the surface and the soil is sufficiently pervious to allow water to flow into the pit.

SAND POINTS also have been used when underground water is fairly close to the surface. They make a relatively low-cost and easily established source of water.

Sand points, as you know, are pipes sunk into the water-bearing strata. Usually eight to 12 points are put down fairly close together and connected to the same irrigation pump.

HIGH-YIELDING WELLS are a satisfactory source of water for irrigation. But such wells can be developed only in limited areas of Iowa.

In much of southern and southwestern Iowa, it's hard to obtain large supplies of ground water because bedrock formations are predominately shale.

You can get information on underground water availability in your area from the Iowa Geological Department at the State University of Iowa.

To develop good irrigation water supply, follow these suggestions:

1. Check all possible sources of water. Select for dependability.

2. Test pump underground water source to see how much it will supply.

3. Design your irrigation system to fit the capacity of your water supply. Don't try to irrigate too much land with too little water.

YOU DON'T HAVE TO MOVE TO

Grow 100 Bushels of Corn Per Acre

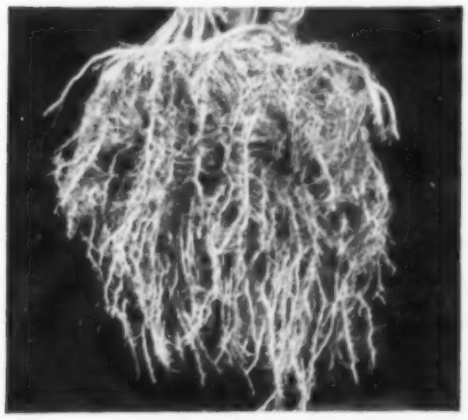
Why not be a 100 bushel corn farmer right where you are farming now? You can make any good corn land produce more profitable yields of corn by following Crow's recommendations and planting Crow's Hybrids. Any Crow's Hybrid can yield 100 bushel corn in fertile soil. Crow's Program for soil treatment can help you make all the corn that your soil can produce.

Many farmers have proved this. They are making three or four dollars more profit from every dollar put into their soil by following Crow's recommendations.

CROW'S Premium and Regular Hybrids

are bred to resist corn diseases. They stand up and hold ears until picked — produce big yields per acre — have outstanding beauty in the field — grow ears at uniform height for easy picking. Make high quality grain.

All CROW'S Hybrids have CROW'S Film-Coating for dependable protection in cold, damp soil. This means better stands of healthy plants, even after several days of poor weather.



Roots like these make big yields when you plant CROW'S Hybrids in loose, fertile soil with a deep seed bed. CROW'S Program can help you grow big yields per acre.

"We Made Thin Land Yield 175 Bushels of Corn per Acre"

M. H. Lake and Son of North Judson, Ind., say, **"You can't beat CROW'S Premium Hybrids and CROW'S Corn Growing Program for making big corn yields."**

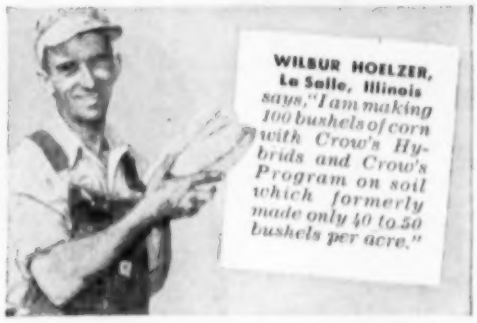
Only two years ago, their land was averaging 60 to 70 bushels of corn per acre. They decided to follow Crow's Program for building fertility. They followed Crow's soil treatment recommendations exactly as given and then planted Crow's Premium Hybrids.

Last year their corn crop was a revelation to everybody. Plants grew vigorously all over the field and their harvest was 175 bushels per acre.

You pay nothing extra for CROW'S soil recommendations when you plant CROW'S Hybrids.

Here is the proved way to grow more profitable corn. Plant CROW'S Hybrids in soil that will feed your crop to make big yields. Apply CROW'S Program on your present corn land and make more money per acre.

HENRY DAHM, Wheatfield, Indiana *says, "Sixteen years ago, I bought my first Crow's Hybrid Seed corn and have been planting Crow's Hybrids ever since. My yield increased 30 bushels per acre with Crow's Corn Growing Program."*



WILBUR HOELZER, La Salle, Illinois *says, "I am making 100 bushels of corn with Crow's Hybrids and Crow's Program on soil which formerly made only 40 to 50 bushels per acre."*

JOHN WALSTRA, De Motte, Indiana *says, "Crow's Corn is the best money maker on our farms. We average over 100 bushels per acre on 450 acres."*

ROSCOE MURFITT, Brook, Indiana *says, "My Crow's Premium Corn ran 104 bushels per acre and is by far the best corn I ever planted. Crow's Program makes extra profit for the farmer."*

Mail coupon or postal for free copy, "Crow's Corn Growing Program" and catalog of Crow's Premium and Regular Hybrids

PLANT CROW'S HYBRIDS

CROW'S HYBRID CORN COMPANY
Milford, Illinois and Nevada, Iowa

WORLD'S LARGEST PRODUCERS OF SINGLE CROSS CORN

CROW'S HYBRID CORN COMPANY
Dept. W, Milford, Illinois

Send FREE copy of "Crow's Corn Growing Program" and catalog of Crow's Premium and Regular Hybrids.

Name _____

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City _____ Zone ____ State _____

☐ Check here if you would like to sell CROW'S Hybrids

"FIRST PLACE WITH CROW'S"

"Last year Crow's Hybrids outyielded and out stood all my other corn in the same field. My entry took first place in Buena Vista County—yield 133.9.

Clem Ledoux, Route 2, Alta, Iowa

"EXCELLENT QUALITY WITHOUT MOLD"

"My corn yielded 105 bushels per acre. The corn was excellent quality without mold. The ears were well filled and very uniform."

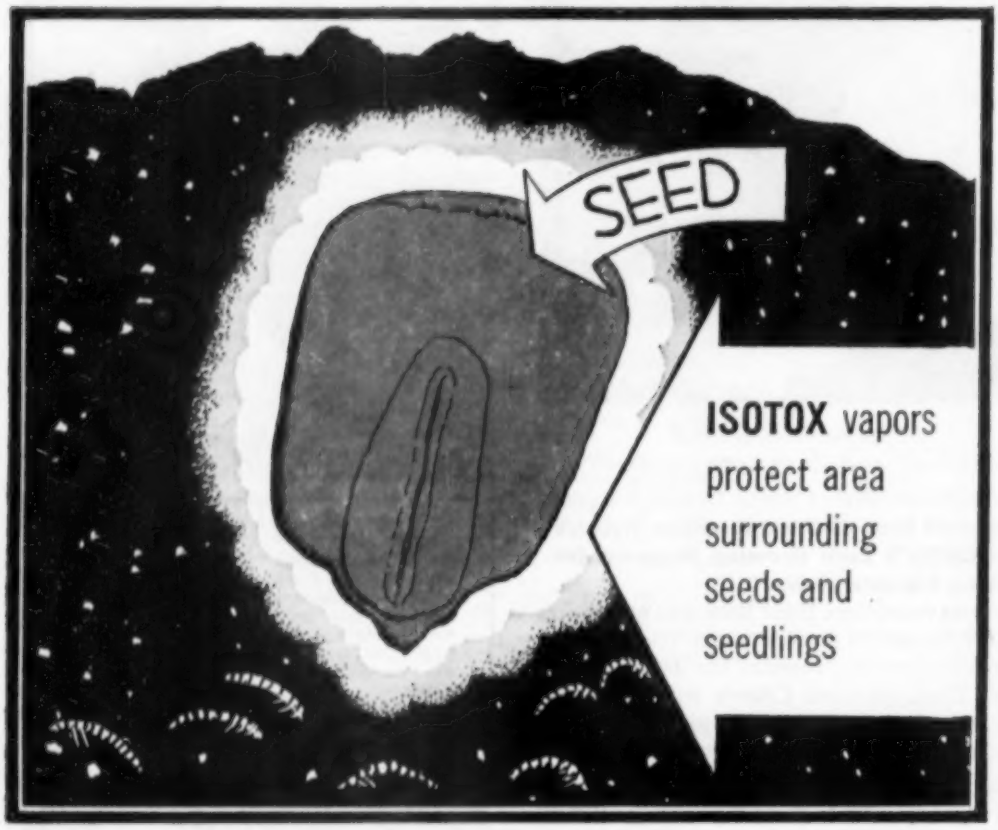
Everett G. Rouw, Oskaloosa, Iowa.

"EARS BIGGER AND HEAVIER"

"The acreage I had planted to Crow's Hybrids was better at picking time than other brands of corn in the same field. The ears were bigger and heavier and filled out better."

Cecil M. Rodda, Osceola, Iowa

Insure against wireworms for only 16¢ per acre



Protects throughout early growth stage. The vapors given off by ISOTOX 25 Seed Treater F saturate soil surrounding seed, and are retained by the soil, protecting seeds during the germinating period. ISOTOX 25 Seed Treater F kills soil insects 3 ways—by stomach action, vapor action and contact action.

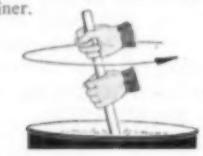
ISOTOX 25 Seed Treater F controls wireworms, seed corn maggots, and other soil insects—also gives added disease protection at planting time

It's the most effective and economical seed treatment you can buy! For only about 16¢ per acre ISOTOX 25 Seed Treater F gives you *dollars upon dollars* of crop protection from wireworms, seed corn maggots. Also gives added disease protection to seeds previously treated with fungicide.

Over 5,000,000 acres have been treated with ISOTOX Seed Treater during the past five years, proving to thousands of farmers that ISOTOX brings top germination . . . insures bigger yields, healthier stands . . . saves "extra" seed costs . . . saves time and labor of replanting due to insect damage. Last planting season, more than 20,000 *new* farmer users specified ISOTOX 25 Seed Treater F.

For low-cost "life insurance" for your crops—insist on ISOTOX—the pioneer seed treater—designed exclusively for seed treatment. Recommended for corn, soybeans, beans, cotton and many other crops.

Easy to use. Just measure out the amount of ISOTOX 25 Seed Treater F specified on label. Mix with seed in planter box or any convenient container.



T.M.'S REG. U.S. PAT. OFF.: ORTHO, ISOTOX

World leader in scientific pest control

ORTHO
SCIENTIFIC PEST CONTROL

CALIFORNIA SPRAY-CHEMICAL Corp.

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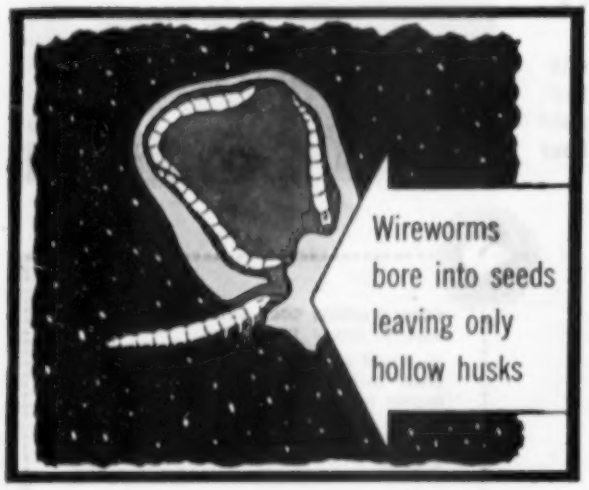
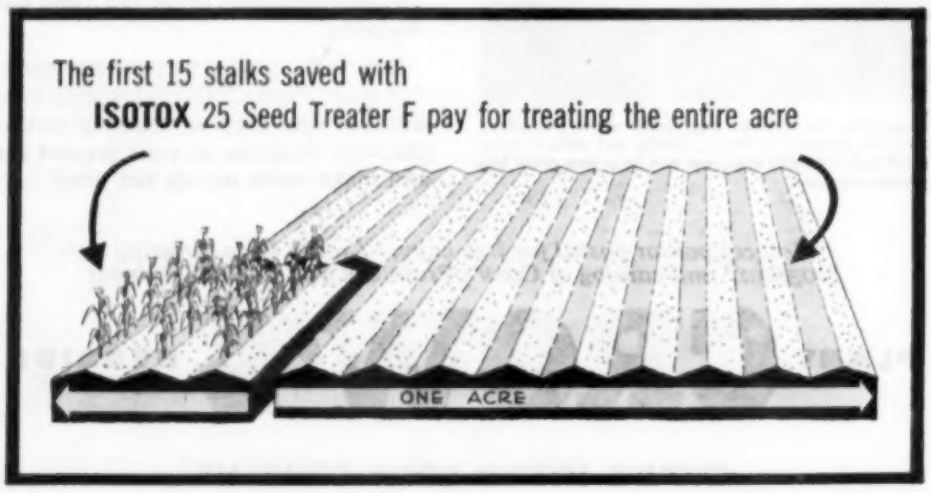
19 E. Indiana Ave. St. Paul, Minn.
P. O. Box 129 Maryland Heights, Mo.
P. O. Box 29 Janesville, Wisc.



They attack both seedlings and older plants. Wireworms are tough, yellow-brown larvae that have a long cycle life in the soil—2 to 5 years. Seed corn maggots are white—smaller in size. Both species destroy the germ of untreated seeds so that seed is entirely unproductive.



Gives low-cost, high-value protection. On corn, the first 15 stalks you save actually pay the cost of treating the entire acre. So effective and economical has ISOTOX proved, that last year more than 20,000 *new* farmer users specified ISOTOX 25 Seed Treater F.

On all chemicals, read directions and cautions before use.

Tractor was the only piece of new equipment that Wayne McNutt of Mitchell county, Iowa, bought when he started farming in 1949. Other equipment was used. Last fall, he replaced an old manure spreader with a new one.

When he starts farming

New or used machinery? What kind of livestock? How much money is needed?

THIS year about 4,000 young Iowans are starting to farm for themselves.

Outcome of these new ventures will depend to a great extent on the abilities of the beginners—and on the advice they get.

What advice would you give to the young man who's starting to farm?

The University of Minnesota quizzed 150 successful, established farmers on that subject. Here's a brief summary of their answers:

1. If your capital is limited, start as a partner with an established farmer—or rent a farm. Before renting, you should have at least a 50 percent equity in equipment and livestock needed to operate the farm. In other words, you should have at least one dollar for every dollar you borrow.

2. Don't try to buy a farm until you have livestock and equipment paid for. Then have enough savings to pay at least one-third down on the price of the farm.

3. Keep machinery costs down. Buy good used machinery. At the start, get along without more expensive machines such as combines, corn pickers, balers and field choppers. Hire custom operators, or try to exchange labor with a neighbor who already has those machines.

4. If capital is limited, invest in the kind of livestock that'll give quick returns—chickens and hogs, for example. Dairy cows also give immediate income. But the initial investment is higher.

5. Try to get a good productive farm of adequate size. A poor farm is a poor bargain, whether you're buying or renting. It's better to get a share of the income from a good farm than all the income from a small farm.

6. Accept help from relatives if you need it and can get it. Loans or gifts may make the difference between success and failure.

7. Be sure you really want to farm. Experience, determination, industry, courage, liking for farm life and the cooperation of a wife may be more important than the capital resources with which you start.

Most experienced farmers probably could add some more advice—perhaps more detail. For example, Clarence Hill of Dallas county, Iowa, makes this suggestion:

"Tie yourself to a good bank, and keep in close touch with it," Hill advises. "One of the best tools that you can have is good credit."

On the matter of machinery, Hill thinks the beginning farmer might be wise to buy a new tractor—but get along with a used disk, plow, wagons, etc.

That's how Wayne McNutt of Mitchell county, Iowa, approached the machinery problem when he started farming in 1949. He kept his machinery investment down so that he could invest more in livestock.

McNutt started with a new tractor, but other equipment was used. He's replacing old machinery as his situation permits.

But Harold C. Anderson of Montgomery county, Iowa, makes this point: "The machinery situation has changed a lot in the last two years. Up 'til then, you about had to pay a new price for a used tractor. But there are some good buys in used farm tractors this winter."

Giving advice in detail is a matter of tailoring it to a certain situation. That point is emphasized by Anderson.

"One man may fail on the same kind of advice that another makes good on," Anderson says. "So much depends on the man."

Crop surrounded by quack grass ...where no MH-40 is used.

KILL QUACK GRASS with MH-40

MH-40 was sprayed on quack grass prior to planting this crop.

Right here in the Midwest quack grass is licked in areas devoted to high-value crops! Now MH-40* not only reduces quack grass growth, but also eliminates this nuisance. MH-40 is so safe that seeds of vegetable and field crops can be planted on treated areas as soon as plowing and preparing the soil are completed.

Order MH-40 from your local supplier today. Write, wire or phone us if unable to locate immediate source of supply.

SEND FOR "BETTER FARMING'S" VALUABLE FREE FULL-COLOR BOOKLET

"Here's a Control for every Bug on Your Farm." Also write for free booklets that give facts on controlling storage sprouting of potatoes and onions. Write also for literature on wild onion control. Write address below.

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producers of seed protectants, fungicides, miticides, insecticides, growth retardants, herbicides: Spergon, Phygon, Aramite, Synklor, MH, Alanap, Duraset.

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Let Naugatuck Help Solve Your Problem
Fill in Coupon For Fast Action—Expert Advice

WHAT CROP? _____ VARIETY? _____

Weeds to control? _____

Acreage in cultivation? _____

Send me the booklets checked:

- ☐ Quack Grass Control
- ☐ "Bug Control"
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NAME _____

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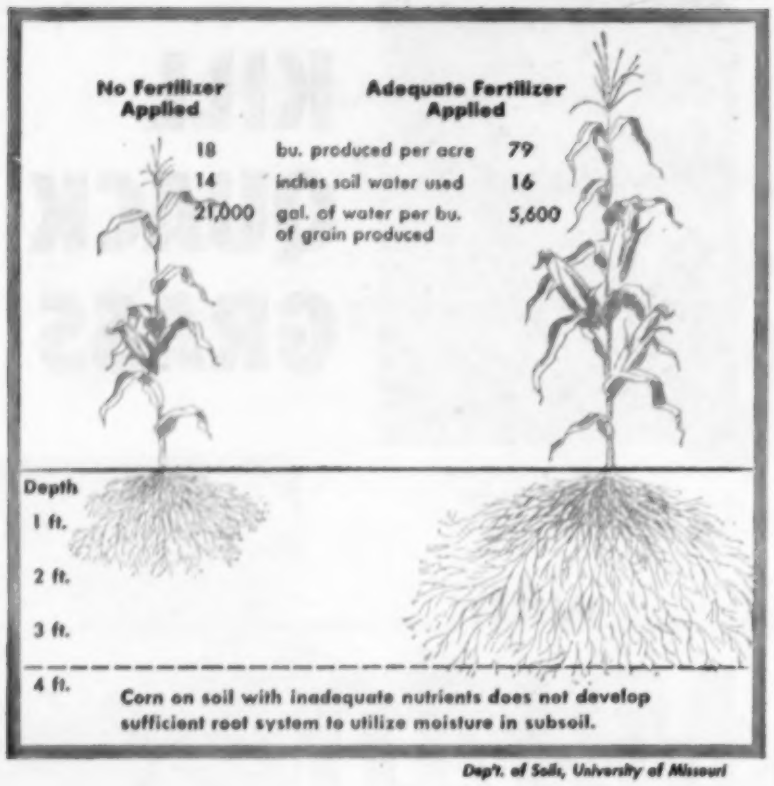


Dep't. of Soils, University of Missouri

Increase Crop Yield! Stretch Moisture!

With Phillips 66 Agricultural Ammonia

Recent experiments have proved that with proper fertilizing, only 5,600 gallons of water were required for each bushel of corn produced; while on the unfertilized soil, 21,000 gallons were required. And with fertilizer, the yield was 79 bushels per acre; without fertilizer, the yield was only 18 bushels per acre. So it is clear that fertilizing results in higher yields from like amounts of soil water.

Next to moisture, nitrogen is the greatest factor influencing corn yields.

Tests show that your land gives up about 130 pounds of nitrogen (equal to 160 pounds of Phillips *66* Agricultural Ammonia) for every 100 bushels of corn it produces. So it is important to keep putting nitrogen and other plant foods back into the soil if you want bigger yields and more efficient use of moisture.

Phillips *66* Agricultural Ammonia contains 82% nitrogen—more nitrogen per dollar than any other type of nitrogen fertilizer you can buy.

Phillips *66* Agricultural Ammonia can be applied pre-plant or side dressed later in the growing season when your corn is 12 to 18 inches high. Now is the time to determine your fertilizer needs. See your local ammonia distributor, dealer or custom applicator today for your supply of Phillips *66* Agricultural Ammonia.

PHILLIPS CHEMICAL COMPANY
A Subsidiary of Phillips Petroleum Company
BARTLESVILLE, OKLAHOMA

Busy season for lawmakers

Iowa legislators face flood of bills on taxes, school aid, road building

FIRST school aid bill to reach the floor in the Iowa legislature was the one to increase payment of agricultural land tax credits.

This bill proposes to increase appropriation from $5,000,000 to $10,500,000, and make the appropriation continuing.

The land tax credit law provides for state payment of general school fund levies above 15 mills on agricultural land in the district.

Heretofore, only about half of the land tax credit claims could be paid.

Other school aid appropriations were under study by subcommittees when the legislature reconvened after spring recess.

The Farm Bureau divorce bill was placed on the house calendar without changes from the form in which the senate passed it.

This is the bill that establishes agricultural extension districts. It also provides for property tax levies of one-half mill, or enough to raise $20,000. Money is to be used to support county agricultural extension education.

As the bill comes before the house, it provides for election of one farmer from each township in a county, and three city or town members on the county extension councils.

Other bills of interest to farmers are being considered:

Deer hunters will be limited to shooting and possessing one deer in a season, according to a bill passed in the house. And the $15 special deer hunting license is reduced to $10.

The house also passed a bill to shorten the Iowa individual income tax return. This bill would also tax gains on capital assets and allow deductions for losses. Other advantages of the new federal tax law would be allowed. (See page 46)

This bill, however, if passed by the senate and signed by the governor will not affect your state income tax return which is due April 30 this year. It goes into effect for next year.

A bill to exempt owners of farm ponds from liability for accidental drownings has been introduced in the senate by Senator Jack Wormley of Jasper county.

The senate bill to increase the two percent sales and use taxes to three percent was sent by Speaker Arthur C. Hanson to the house ways and means committee. This committee, headed by Representative Dewey E. Goode of Bloomfield, already had introduced a bill of its own to impose the two percent sales tax on about 50 service occupations.

The house passed bills to change the hours of voting for election of drainage district trustees from the present 8 a.m. to 8 p.m. to from 1 p.m. to 8 p.m., and to permit drainage district commissioners to publish only the names of owners of affected lands in inter-county districts.

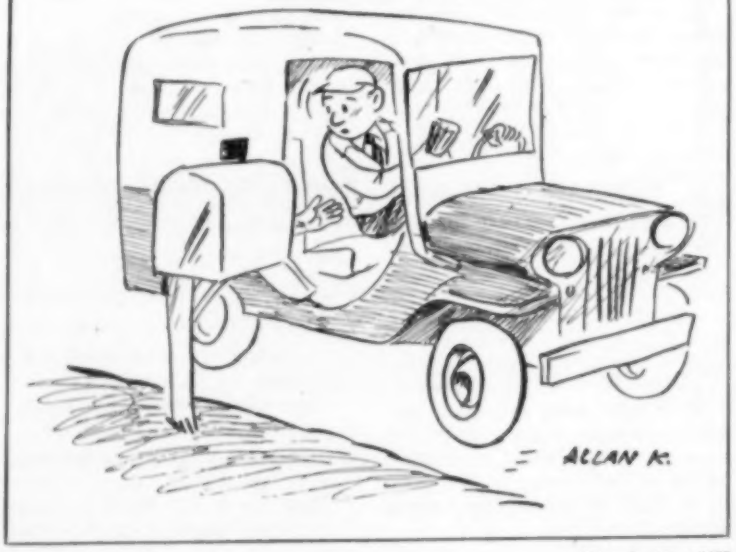
It also passed a bill to legalize sale of milk in gallon and third-quart containers, and a bill to require owners of 75 percent of affected land to be under soil conservation practices before an artificial lake could be built.

The senate passed a bill permitting school districts accepting tuition pupils to charge sufficient tuition to cover average cost of education.

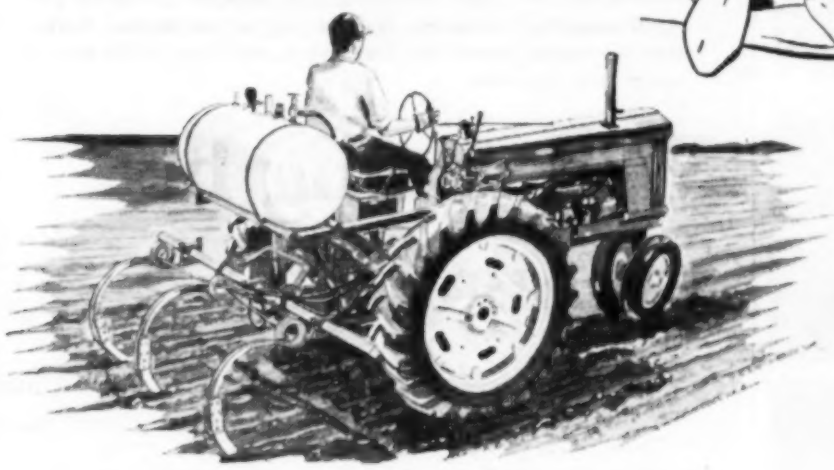
The first gasoline tax bill to reach the floor of the legislature was the senate bill (S. F. 239) to extend for two more years from July 1 the fifth cent per gallon of state tax.

Bills to increase the state gasoline tax above the present five cents per gallon to six cents and to seven cents still were in committee when the legislature began the second half of its session.

Mud-Road Mac



Now You, Too, Can Have BUMPER CROPS... Make More Money This Year!



Apply

ANHYDROUS AMMONIA

82.2% NITROGEN

The Most Concentrated Form of Nitrogen!

ANHYDROUS AMMONIA contains 82.2% actual nitrogen . . . which means your corn receives the greatest amount of nitrogen possible . . . because it's injected in the ground—right down to the root zone. The young germinating plants can use it right away. As there is no wait for rain to break it down . . . change it . . . or dissolve it. Under heavy rainfall . . . ANHYDROUS AMMONIA resists leaching more than other nitrogen fertilizers. This means there is more nitrogen available that the corn can use in the last one-third of its growth . . . the crucial time when the ears began to form.

ANHYDROUS AMMONIA can be worked into the busy planting schedule. You can apply ANHYDROUS AMMONIA ANY TIME. Before planting or side-dressed later in the season.

Mr. Farmer . . . to learn how you too, can have BUMPER CROPS and MAKE MORE MONEY . . . be sure and see your local ANHYDROUS AMMONIA distributor or dealer.

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ALGONA...Taylor Implement Co. (Mor-Gro)
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COLUMBUS JUNCTION.American Petroleum Co.
CORNING.....Farm Service Cooperative
CUMBERLAND.....Sun Ray (Cumberland)
DANBURY.....Farmer's Hy-Yield
DANVILLE.....Danville Fertilizer Service
DES MOINES.....Superior Oil Co.
DUBUQUE.....Goodland Agric. Chemicals, Inc.
EAGLE GROVE.....Propane Gas Co-op
EDGEWOOD.....Crop Builders, Inc.
ELDORA.....Sun Ray (Eldora)
ELDRIDGE.....McArthur Chemical Co.
FAIRFIELD.....Top Crop—T. H. Erickson
FARLEY.....McMahon Chemical Co.
FARRAGUT.....Farragut Fertilizer Inc.
FT. DODGE.....Allied Anhydrous Ammonia
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KEOTA.....Ke-Wash Fertilizer Co.
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NORTHWOOD.....Hi-Yield Fertilizer Service
OSAGE.....Davidson Gas & Electric
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SERGEANT BLUFF.....Farmer's Hy-Yield
SHENANDOAH.....Co-op Oil & Supply Ass'n
SIGOURNEY.....Top Crop—Sigourney Elevator
SLOAN.....Sloan Co-op Oil & Fertilizer Ass'n
STANWOOD....McArthur-Nunan Chemical Co.
STATE CENTER.....H. H. B., Inc.—Virgil Weare, Mgr.
STORM LAKE.....Pat Burnett Fertilizer Co.
TRURO.....Truro Fertilizer & Supply Co.
TURIN.....Farmer's Hy-Yield
WASHINGTON...Livingston & Patterson Spray Corp.
WAVERLY.....Top Crop—Duane M. Erickson
WHITING.....Farmer's Hy-Yield
WINTERSET.....Reed's Soil Service
YARMOUTH.....Yarmouth Fertilizer Co.

ILLINOIS

CONGERVILLE.....Schrock Fertilizer Service
IOWA PLANTS AT:
ARGYLE.....Ben C. Wahrer, Mgr.
MEDIAPOLIS.....John Heizer, Mgr.
MT. PLEASANT.....Richard Hall, Mgr.
WASHINGTON..Livingston & Patterson Spray Service, Mgr.

New Idea-Horn Loader ...too useful to take off

"50" LOADER with buck rake attachment. Lowest cost way to handle hay. Also carries 10 to 15 bales at a time. Mechanical trip for dumping. Loader available with single or double ram cylinders. (New low price on single ram cylinder model). Fits row crop tractors. Conversion model for tractors with adjustable front wheels. Up to 2,500 lbs. breakaway power. Low clearance; compact.

"15" LOADER with stacker attachment. Bucks and stacks up to 1000 lbs. Unloading gate hydraulically operated by driver. Loader fits large tractors with non-adjustable front and rear wheels. Extra wide and standard models. Displacement type, single ram cylinders. Like the "50", breakaway power up to 2,500 lbs. Works with "built in" or New Idea-Horn hydraulic power unit.

COUNTERBALANCED, clean scouring manure bucket is original equipment on all New Idea-Horn loaders. Removeable dirt plate. 7 replaceable, re-rolled rail steel tines. Notice sturdy frame made of heavy duty steel tubing. Joints are coped before welding for extra strength. Low clearance, compact, easy to work in cramped quarters. Breakaway power at or below ground level — up to 2,500 lbs.

"505" LOADER for small row crop (with or without adjustable front wheels), small standard, and small track-type tractors. Cylinder support-shaft lets loader lift more weight with less strain on tractor. Up to 1,600 lbs. breakaway power.

NEW MODEL for Allis-Chalmers "WD" and "WD-45". Uses tractor hydraulic system. No need to remove fenders or belt pulley. Row crop or conversion models. Up to 2,250 lbs. breakaway power. Single ram cylinder type with chevron-type seal.

6 OF 10 EASY-ON INTERCHANGEABLE ATTACHMENTS

ANGLE DOZER BLADE. Adjusts 12 & 24 degrees right or left or straight. Tilt also adjusts. Equipped with skid shoes.

EXTENDIBLE BOOM. Lifts from 14 to 20 ft. Handles 1000 lb. loads on "50" and "15" loaders, slightly less on "505".

GRAPPLE FORK. Ideal for loading and unloading loose or baled hay, piling brush, etc.

DIRT BUCKET. Made of 3/16" floor plate. Reversible cutting edge. 6 or 9½ cu. ft. sizes.

SCOOP. 80" wide by 33" deep by 19½" high. For handling light materials — snow, oats, etc.

PITCH CONTROL. Gives 2-way control of bucket or scoop from tractor seat for digging, dumping, skimming.

NEW IDEA FARM EQUIPMENT COMPANY, DIVISION AVCO DISTRIBUTING CORP.

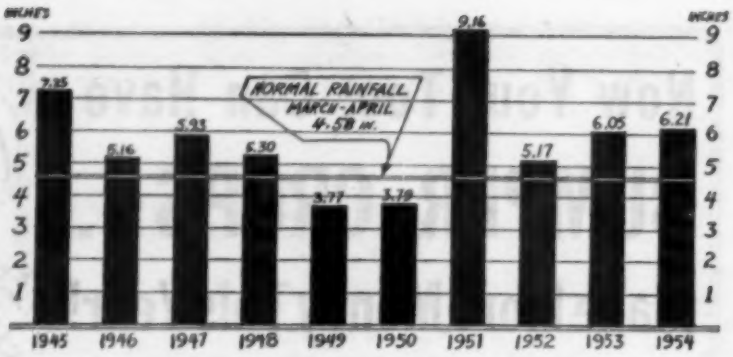
Dept. H-1535, Coldwater, Ohio

Please send free illustrated literature as checked:

☐ New Idea-Horn Loaders (and attachments) ☐ Need for school work. I farm.....acres.

NAME.....

ADDRESS.....



Wet springs of the past 10 years are shown by the columns. Each represents total rainfall for March and April compared to the long-time average of 4.58 inches. Notice that the spring season has been dry in only two of the last 10 years—1949 and 1950.

Will spring be wet again?

For the last 10 years, March and April have been wet eight times

WET springs and dry falls have plagued Corn Belt farmers for 10 years.

In Iowa, March has been wet in eight of the last 10 years. Extra rainfall has averaged four-fifths of an inch for each March in the 10-year period.

April has been wet too. Six of 10 Aprils were wetter than average. And rainfall in April shows a 10-year average of two-thirds of an inch above normal.

Taking March and April together, here are Iowa rainfall records for the 10 years just passed. Normal for the two months is 4.58 inches.

Year	Rain received	Departure from normal
1945	7.25 in.	plus 2.67
1946	5.16 "	" .58
1947	5.93 "	" 1.35
1948	5.30 "	" .72
1949	3.77 "	minus .81
1950	3.79 "	minus .79
1951	9.16 "	plus 4.58
1952	5.17 "	" .59
1953	6.05 "	" 1.47
1954	6.21 "	" 1.63
Excess in 10 years		11.99
Average excess per year		1.20

So March and April, taken together were wet in eight of the last ten years. In one year, 1951, March-April rainfall was just double the long-time average. For the 10 years, the average excess was 1.2 inches.

The years with dry spring months were 1949 and 1950. But even in those two dry springs in 10, the deficiency did not reach one inch.

Have temperatures been abnormal too? March has been a little cool. April normal. Average for the two months has been less than one-half degree below normal.

These wet springs have been good for grass and hay production. There's an old saying "April makes the hay crop." And the good years for grass may have had something to do with big cattle numbers on Iowa farms. Total is now at a record high.

But the wet springs have interfered with getting field work done. Oats seeding has been delayed in several recent springs. That may explain some of the poor oats yields in the last 10 years.

Along with the wet springs of the last 10 years, we've had other unusual rainfall patterns.

June and August have been unusually wet during the last 10 years. June has averaged one inch over normal. But the other two crop season months, May and July, have brought about normal rainfall or have been just a little on the dry side.

September and October, however, have been unusually dry. In fact, the moisture deficiency for the fall months has equalled the spring rainfall excess during the last 10 years.

Has the weather changed? Will the wet springs continue? Do they mean anything for the rest of the season?

A look at Iowa weather records shows other periods of wet springs. We had them in the twenties. Also in the nineties.

The other wet-spring periods lasted only five to 15 years. Then they were followed by a series of springs below normal in precipitation. We can expect that to happen again. The end of the wet cycle could be a few years away or might begin this year.

There has been no set pattern for summer weather after wet springs. In the nineties, summers were dry after wet springs. And falls were very dry too as they have been in the last 10 years.

After the wet springs around 1920, both summers and falls were inclined to be dry. In this present period, wet summers and dry falls followed the wet spring months.

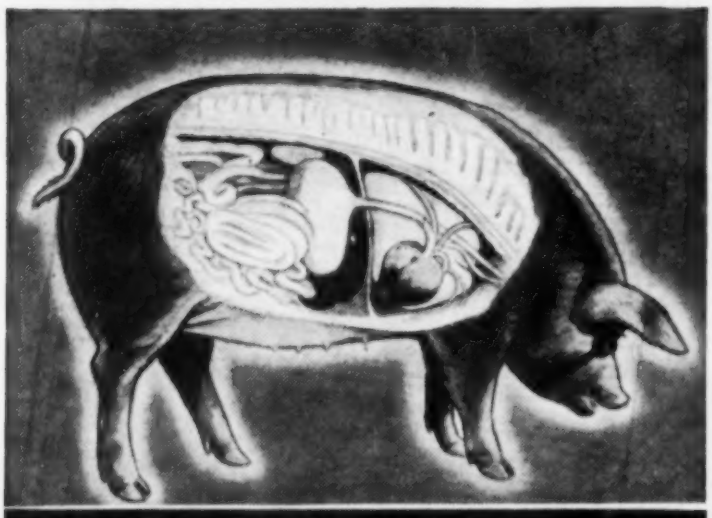
Are there weather cycles of wet and dry? Yes, there are periods above and below normal. That can be proved from records.

But weather experts say there is no regular weather cycle. We don't know when the changes from wet to dry are going to come. That's a kind of long-range forecasting that has yet to be perfected.

Amazing New Scientific Discovery in Drinking Water

ENDS PIG SETBACKS

Due to Scours, Necro, Diarrhea, Bronchitis, Pleurisy, Anemia, Shipping Fever, Fights Pneumonia



Works Like Lightning In Sick Pigs to Stop Scours Necro Faster. Keeps Pigs Gaining Weight...Fights Off Pneumonia, Bronchitis Pleurisy, Diarrhea, Anemia, Shipping Fever

MYZON SWINE BUILDER . . . just released from the laboratory after many months of patient testing . . . not only STOPS INFECTIOUS SCOURS, NECRO, but **more important** . . . keeps pigs gaining weight. This wonder-working discovery fights off **Pneumonia, Bronchitis, Pleurisy, and Shipping Fever** to get results in less time than you dreamed possible. Yes, MYZON scientists have finally achieved their goal: a sensational formulation of powerful antibiotics and vitamins that gets **double-action**—for MYZON SWINE BUILDER stops SCOURS, NECRO faster than you can imagine—but **most important,** it keeps pigs gaining weight fast. So it's easy to see why MYZON SWINE BUILDER is being hailed as the final answer to the knotty problem of INFECTIOUS SCOURS, NECRO, PNEUMONIA, PLEURISY, SHIPPING FEVER, DIARRHEA, ANEMIA by pig raisers wherever it's been introduced. Remember that scours is often a danger sign of the approach of other diseases. It is important that animals be treated at the first sign of loose bowels, failure to eat or drink, dullness, and other symptoms common to a sick animal.

KEEP MYZON SWINE BUILDER ON HAND, READY FOR EMERGENCIES! GET IT **TODAY**—FROM YOUR FAVORITE DEALER!

MYZON SWINE BUILDER GETS PIGS 'Going Again—Gaining Again'

Not Merely a Scour Medicine, Myzon Gives Pigs the Strength and Resistance to Help Keep Scours from Coming Back

No matter how carefully you study about new products—no matter how many farm journals you read every month, you've never heard about anything like sensational MYZON SWINE BUILDER. For MYZON is entirely different from anything you've ever seen! NOT MERELY A SCOUR MEDICINE that may leave hogs too weak to start gaining again, MYZON gives your pigs the strength and resistance they need to help keep scours from coming back. Yes, MYZON SWINE BUILDER has the power to stop scours, also known as Vibrio Dysentery, Necro, Necrotic Enteritis, Salmonella infections, Black Scours, Bloody Dysentery, Bacillary Infections associated with Virus Diseases. MYZON'S powerful formula of antibiotics and vitamins (exclusive in MYZON) goes right to the intestinal tract—and once there takes charge of these disease germs quick as lightning! Where else do you get the promise of MYZON'S amazing double-action that can STOP SCOURS, DIARRHEA, faster . . . fights off PNEUMONIA, BRONCHITIS, PLEURISY, SHIPPING FEVER—AND GIVES YOUR HOGS THE RESISTANCE **THEY NEED TO HELP KEEP SCOURS FROM COMING BACK!** And here's the most important part! Best of all, MYZON SWINE BUILDER not only stops scours—but keeps pigs gaining weight. And don't forget this, MYZON is highly recommended because it is so safe to use. When administered as directed, it is practically free from irritation and undesirable side-reactions. So find out! Ask your dealer for MYZON SWINE BUILDER today!

YOU DON'T CHANGE FEEDING PROGRAM

GOES IN DRINKING WATER!
Costs So Little It's Wonderful!

Since MYZON SWINE BUILDER comes to you in such a highly concentrated form, only a little goes a long, long way. Water-dispersible — you simply put it in the drinking water. YOU DON'T CHANGE YOUR FEEDING PROGRAM. There's all the directions you need! And when you remember that MYZON SWINE BUILDER is putting pound after pound of profitable pork on your pigs even while it's taking charge of these disease germs, you'll realize how really inexpensive it is! Get MYZON today!

BRAND NEW, Yet Test on Farms Showed These Amazing Results

"STOPS SCOURS . . . PIGS AVERAGE 52 LBS. AT 8 WEEKS!"

"I fed 200 pigs that were four weeks old 16 pounds of Myzon Swine Builder that I got from my MYZON dealer, Mr. Peterson. They had the scours very bad. They stopped scouring in three to four days. The swine builder lasted two weeks. These pigs aver aged 52 lbs. at eight weeks. Then I got 20 lbs. of Swine Builder to use because the pigs had coughs and colds. It stopped this in four days. I think MYZON SWINE BUILDER is a very good product."

Fred H. Scott, Tampico, Ill.

"SEES RESULTS IN THREE DAYS"

"I got a three pound can of MYZON SWINE BUILDER for my pigs that had the scours. I fed this can to 99 pigs that were three to four weeks old. I could see the results in three days and in five days the scours were all cleared up. The can lasted about six days."

Alwyn Goembel, Hoopeole, Ill.*

PIGS ALREADY SICK AND OFF FEED NOW *DRINK THEIR* WAY TO FAST RECOVERY

When sick and feverish most pigs, like humans, stop eating, but they **don't stop drinking.** In fact, they usually drink more. That's the reason MYZON'S exclusive antibiotic and vitamin formula is so effective when mixed in the drinking water. Sick pigs and hogs drink and drink quickly getting lots of antibiotics and vitamins to fight disease, to strengthen them and hurry them back to profitable weight gains.

NOW for the First Time a Way to Keep Even Sickest Pigs Eating and Gaining Right Through Damp, Changing Weather

In the past, hogs were so affected by scours that they often lost weight and barely ate enough to stay alive. BUT NOT WITH NEW MYZON SWINE BUILDER. MYZON'S high potency antibiotics and vitamins quickly get to the cause of trouble in the stomach and intestines. Pigs that might have lost weight and even died, come back faster, eating and gaining their way to early markets.

UNIVERSITY TESTS PROVE MYZON

In Water Goes to Work in Hog's System 2 to 3 Times Faster

The faster a treatment the better the results—sometimes the difference between live and dead hogs. University tests proved the ingredients in MYZON in drinking water start working faster, to quickly clear up these attacks, help hogs **gaining weight,** keep them putting on pounds while combating disease germs of pneumonia, bronchitis, pleurisy, shipping fever.

"Although the results may vary in individual cases, You Must Be 100% Satisfied with Your Very First Can of Myzon or Your Money Refunded!

PART OF THE SECRET! SPECIAL DOUBLE-ACTION FORMULA EXCLUSIVE IN WATER-DISPERSIBLE MYZON

MYZON SWINE BUILDER is not merely an antibiotic formula that merely fights disease germs. Wonderful as antibiotics are in overcoming diseases, hogs also need the extra vitamins that are necessary for rebuilding health and weight-gains. The vitamins in MYZON SWINE BUILDER account for the faster recovery of your pigs after diseases are licked . . . account for the top health and speedy growth that add up to extra profits. From drinking water, fortified with MYZON SWINE BUILDER, your hogs get all these: Vitamin A, D, B12, Niacin, Riboflavin, Pantothenic Acid, Terramycin and Dextrose. GET MYZON SWINE BUILDER AT GOOD DEALERS EVERYWHERE.

MYZON SWINE BUILDER

Ask Your Local Dealer About MYZON Today

MYZON POULTRY BUILDER in Drinking Water Helps

STOP LAYING SLUMPS!

In Birds Off-Feed with Colds, Sniffling, due to Chronic Respiratory Disease, (Air-Sac), Non-Specific Enteritis, Blue Comb, Rickets . . .

Science says that many LAYING SLUMPS are due to Chronic Respiratory Diseases brought on by damp, changing weather conditions. But now—with amazing new MYZON POULTRY BUILDER—and for only a few cents a bird per month—you can help get those many **extra eggs** that are lost to bronchial troubles associated with Respiratory Disease, and diseases of the digestive system.

SO EASY! SO ECONOMICAL! YOU DON'T CHANGE FEED

MYZON POULTRY BUILDER comes to you in highly-concentrated form. Water-dispersible, you simply put it in the drinking water. NO FUSS! NO BOTHER! Like humans, most birds stop eating when sick and feverish, with sneezing, colds due to Chronic Respiratory Disease (Air-Sac), but they actually DRINK MORE than usual. Thus quickly getting plenty of MYZON's exclusive high-potency formula with RG-14 right where it's needed to take charge of these disease germs . . . to strengthen birds . . . hurry them back to healthful weight gains and **higher egg production.** MYZON POULTRY BUILDER WORKS FAST AS LIGHTNING. Keep on hand ready for emergencies . . . ready for LAYING SLUMPS. Use at first sign of trouble. Get MYZON POULTRY BUILDER from your dealer today!

READ WHAT ONE OF MANY GRATEFUL USERS SAYS ABOUT MYZON POULTRY BUILDER:

"Egg Production Jumps from 80 to 240 Eggs Per Day"

"MYZON increased my egg production on 300 hens from 80 eggs a day to 240 eggs a day. I had been losing several birds a day when I started using MYZON POULTRY BUILDER. My death losses ended almost immediately. It makes my birds look so healthy and I'm never without POULTRY BUILDER."

Mrs. R. B. Taylor*, Wiota, Iowa

NOW YOU WON'T HAVE TO PAMPER BABY CHICKS during first critical 30 days, instead use MYZON POULTRY BUILDER in the drinking water. So easy! Costs little over 1c per chick through 4th week. Gives chicks the high levels of antibiotics and vitamins they need to resist the dangers—changing weather; sniffing; colds due to chronic respiratory disease; non-specific enteritis; baby chick death losses—that always haunt chicks first 30 days.

MYZON, Inc., 1247 W. BELMONT, CHICAGO, ILLINOIS

HEPTACHLOR

KILLS Rootworms and Saves Corn...

Gives IOWA FARMERS Up To 47 *More Bushels* Of Corn Per Acre!

That's why more and more farmers in major corn growing areas will be using Heptachlor this season. You can control corn rootworms with a single application of Heptachlor applied before or at planting time. Then you can grow corn year after year on the same land without danger of "yield-decreasing" corn rootworm damage. Heptachlor also prevents serious damage caused by wireworms, seed corn maggots, cutworms and white grubs. All Corn-Belt State and Federal Experiment Stations recommend Heptachlor. Ask your insecticide dealer now about highly effective, proven Heptachlor, or order Heptachlor mixed with fertilizer!

HEPTACHLOR MAKES THE DIFFERENCE

Corn rootworms attack corn by cutting off roots, like the plant at the left. This reduced root growth stunts corn, reduces yield and weakens the stalks, causing lodging. A single application of Heptachlor effectively controls corn rootworms, and results in healthy, vigorous root systems, like that on the right. That's why more farmers switch to Heptachlor.

Profit More with HEPTACHLOR

Velsicol Corporation
330 East Grand Ave., Dept. WF-35-2, Chicago 11, Ill.

Please send me my FREE copy of "Heptachlor Kills Corn Rootworms" (#503-1) that tells me how I can make up to 47 more bushels per acre.

VELSICOL

NAME _____

ADDRESS _____

CITY _____ STATE _____

You saw this on page 13

Money from meat type hogs

Here's how we did it

EVER WONDER about the work that goes into a Wallaces' Farmer and Iowa Homestead article? Many folks have asked.

First is a conference of all seven editors. That's to decide which of many ideas will make interesting, important articles for you.

"Money from meat type hogs," was chosen this way from a number of competing ideas.

On most subjects, at least one of the editors has good background training. But that isn't enough. Check the map below to see how information was gathered for "Money from meat type hogs."

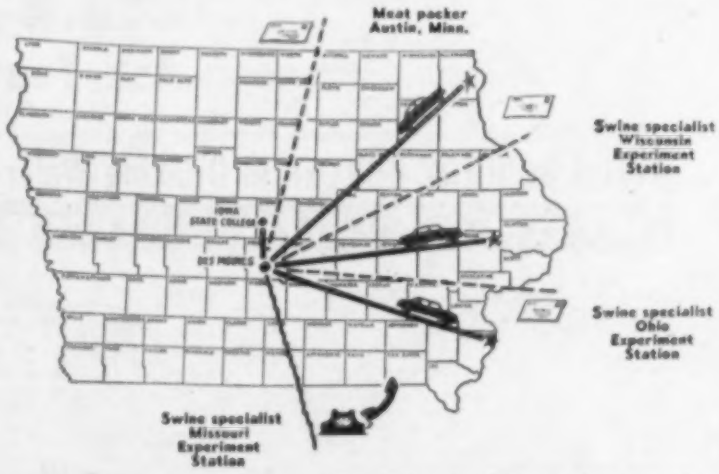
First stops for more information are agricultural experiment stations. There the editors have many personal friends who explain results of latest experiments. But research work doesn't always prove out when tested on the farm.

So you and your neighbors are included in the search for information. A field editor checks with extension workers, vocational agriculture instructors, leading farmers or other sources to find who has experience. In this case, with cost of raising meat type hogs.

Farm industry folks sometimes have research work. Or know farmers who have tried new things on their own. So we check with them, too.

Field trips, letters, telegrams and telephone calls are all tools of the editors. With them the editors contact people who have information needed for an article.

Results of these contacts are condensed into short readable articles on subjects that fit your farming business.



Map shows sources of information for "Money from meat type hogs." And how information was obtained. Stars indicate location of farms visited by field editor.

Now, Hybrid Hogs Produce Big Increases Like Hybrid Corn

From the ART of Breeding to the SCIENCE of Breeding

Paul Pillard of Coggon, Iowa, raised 11.3 pigs per litter in his Farmers Hybrid Hog Breeding Program last year. This, together with outstanding gains, was good enough to give him recognition as one of the 25 Iowa's Master Swine Producers last year. Paul is pictured here with part of the herd that won him the Master Swine honor.

. . . Remarkable story of what hybrid breeding has done for typical hog raisers, in bigger litters, quicker marketing, much better profits . . .

Believe it or not, but the same advantages that hybrid corn brought to the corn business . . . are now being realized by using hybrid hogs in the hog business.

The principle is the same. The results are the same . . . increased production, earlier marketing, better type hogs, larger profits for the farmer.

The secret of developing big-producing hybrid hogs lies in inbreeding and crossing. This is based on Mendell's Law of Inheritance. This inbreeding, with proper selection of the breeding stock each time, intensifies and fixes the good characteristics which are wanted, and to breed out the unwanted characteristics. A further result of controlled crossing is greater vigor—"hybrid" vigor.

The boars from these crossed inbreds are then genetically mated with the endless variety of farm-type sows, to produce the wonderful results which are now attracting so much attention in the swine industry.

Stronger, Bigger Litters

These results include stronger pigs at birth, better livability, faster growth which gets pigs to market in less time, more efficient gains, larger litters raised, and more desirable meat-type carcasses.

Pioneering in this Hybrid Hog production is Farmers Hybrid Hogs of Hampton, Iowa, which has the largest commercial hog breeding research program in the world. Farmers Hybrid produces the hybrid boars which are, in turn, used with a farmer's own sows to produce the results mentioned above.

Where allocating a line of boars for a farmer's herd, Farmers Hybrid Hogs needs the breeding background of his sows. From this information, a boar is selected that will produce litters with a maximum hybrid vigor. The farmer then keeps the gilts of the first cross-mating, and Farmers Hybrid Hogs sends a second boar to nick with the 50% hybrid gilts that have been produced. This process continues, with the benefits of the hybridization becoming greater and greater with each cross. Actually, the hybridization is built up in the sow side of the herd by feeding it in, generation after generation with each successive boar.

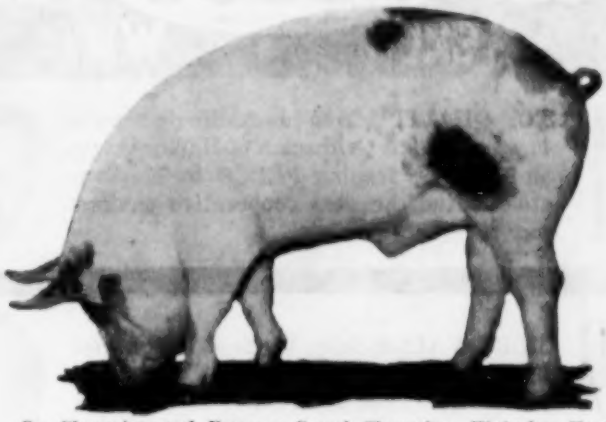
The result is a similar percentage of increased yield as with hybrid corn. The farmer supplies the sows, and Farmers Hybrid Hogs supplies the hybrid boars. That's all there is to it.

Outstanding Recognition

How remarkably the program works is indicated by the records of the Master Swine Producers Project. Last year 60% (15 out of 25) of those hog producers receiving recognition were users of Farmers Hybrid Hog Breeding Program. In the last five years 40 to 60% of the winners each year have been users of the Farmers Hybrid Hog Breeding Program. This project is open to all breeds and all combinations of breeds.

The important thing about this program is that it makes more net profit for the farmer. More pigs per litter go to market. They get to market earlier. It is estimated that the farmer nets $500 to $1,000 more per year where this breeding program is used. Farmers interested in this remarkable program may obtain free literature about it by writing for a booklet, "More Money from Raising Hogs," which is available free of charge from Farmers Hybrid Hogs. Simply drop a card or letter to Farmers Hybrid Hogs, Hampton, Iowa.

MORE MONEY from YOUR HOGS!



Sr. Champion and Reserve Grand Champion, Waterloo Meat Animal Show 1954. Raised by Lester Carlson, Pocahontas, Iowa.

FARMERS HYBRID PIGS GROW FASTER

The Farmers Hybrid Hog program can give you:

1—Stronger pigs at birth

2—Larger litters to market

3—Faster growth, getting to market earlier

4—Less feed per 100 lbs. gain

5—More meat type carcasses

Get started on the better profits you can make with Farmers Hybrid Hogs. They mean just as much to your hog program as hybrid corn means to your corn program.

FARMERS HYBRID HOGS

HAMPTON, IOWA

MAIL COUPON TODAY FOR FREE LITERATURE

FARMERS HYBRID HOGS,
Hampton, Iowa

Please mail me your free booklet, "More Money from Raising Hogs," telling what Hybrid Hogs can do for my profits.

Name _____

R.R. _____ **Town** _____

State _____

1 **TOP QUALITY** from his feeding program is what Vernus Grimsman of Halbur wants and gets by feeding FELCO to his livestock. And, he gets cooperative savings too.

2 **MORE VALUE** from his feed is obtained by Donald Dodge of Milford by sticking to a FELCO Feed program. For more than 15 years he has been a FELCO feeder.

3 **MORE PIGS** per sow is the record of Robert Justice of Bondurant who sticks closely to the FELCO Feeding program during gestation and lactation.

4 **FAST GAINS** are expected and received by Ronald L. Behrens of Palmer by using a complete FELCO Feeding plan. He feels FELCO must be good to give the results he has obtained.

5 **ECONOMY** in feeding and early markets are the goals of Glenn Chapman of Kent. Eight years of feeding FELCO assure him of reaching those goals.

There's a reason one of five Iowa Master Swine Producers feed FELCO. In addition to getting freshness and high quality, FELCO feeders share in the cooperative savings. Ask your neighbor about FELCO . . . then see your local FARMER'S COOPERATIVE ELEVATOR.

FELCO'S THE BEST—
SAVING'S THE REST
ASK YOUR NEIGHBOR
"Do business with yourself"

"We check over most of our machinery for any needed repairs in the fall," says Redford Miller (right) of Audubon county, Iowa. Son Russell helps check pitman on tractor mower.

Check machinery; Avoid field delays

RUSH of spring field work is just around the corner. Waiting for parts or repair work means nothing now. But it can be costly at planting time.

"Give machinery a thoro checkup before field work begins," urges Ray Armstrong, Iowa State College engineer. "Replace worn or damaged parts before they break or cause extra wear on other parts of the equipment."

Then he adds, "Clean and oil all the fine adjustments before you start to the field. Then you'll have no problem with nuts set by rust or corrosion to slow down field adjustments."

Disk bearings get hard wear. So Louis Robinson of Cass county, Iowa, checks them over before the rush of spring work gets under way.

Disk type coulters work better for plowing stalks, thinks W. Price Manatt, Audubon county, Iowa. He puts them on ahead of spring work.

Farmers across the country make hay faster, easier with a Compact "66." Says Cable Clanton of Wartrace, Tennessee, "Tight, square bales put up fast, that's what my '66' means to me. I've baled for hours without any broken bales at all."

Here's the baler that changed America's haying habits *in one year!*

"Yes, I'd like to own a baler," said farmer after farmer, "but what one can I buy that's right for my size farm?"

Then New Holland announced the Compact "66." These practical farmers agreed it was the baler they'd waited for, and in just one year, thousands of them became baler owners for the first time!

What made them buy? In price and size, the "66" makes ownership practical for almost any farm. Operating costs are low. Capacity is high . . . through faster pickup, more positive wadboard feed, knotters that tie bale after bale without a miss.

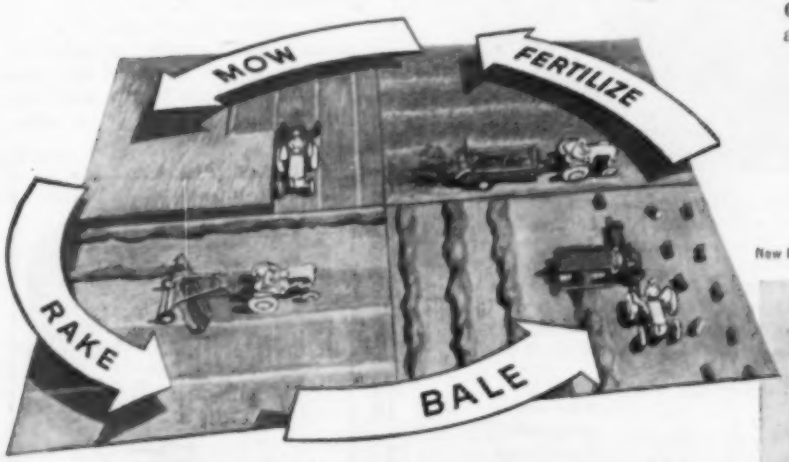
The engine-powered "66" bales up to 7 tons an hour with a 1-plow tractor. The Compact "66" P.T.O. does the same with a 2-plow tractor . . . costs less than many machines of lower capacity. An overrunning clutch lets you change tractor gears at will for easy handling, steady baling.

What about you? Wouldn't you like to make your haying easier, have your own baler ready to go the minute you need it? See your New Holland dealer!

The New Holland Machine Co., New Holland, Pa. A subsidiary of The Sperry Corporation.

Certified Twine means Trouble-Free Baling

New Holland Twine is certified by the U. S. Testing Co. for full strength, quality and length. Now available at a new low price!



Don't let a lazy machine spoil your whole system. New Holland's Mower, Rake and "66" Baler are capacity-matched to harvest finest quality hay. New Holland's 130-bushel P.T.O. spreader saves trips to the field.

NEW HOLLAND

"First in Grassland Farming"

New Holland, Pa. • Minneapolis • Des Moines • Kansas City • Columbus • Charlotte • Lockport, Ill. • Brantford, Ontario

Free Catalog! For a full-color catalog describing the "66" Balers, write: New Holland Machine Company, 1803 Elm St., New Holland, Pa.

Name_____

Address_____

Town_____ State_____

Interested in a demonstration? ☐

Skilled Hands

at work for the dairy farmers of America

Many hands, skilled in special fields work with your American Dairy Association toward a common goal: increased use of dairy products. Skilled researchers learn what people think about your products. Skilled advertising craftsmen create selling appeals that send housewives shopping for your products. Skilled merchandising men work for better store displays *and better sales* of your products. Skilled public relations people build a continuingly favorable attitude and interest in your products.

Through the American Dairy Association program, supported by dairy farmers who invest 2¢ per hundredweight of milk or ½¢ per pound of butterfat marketed, this total sales effort designed to sell more dairy foods to more Americans is moving ahead.

RESEARCH—Here is a housewife being asked about her buying habits and uses for dairy foods. The skilled interviewer is from a research organization employed by American Dairy Association. Digging out the reasons people buy and use dairy foods is the first step in developing persuasive selling messages for radio, TV and print advertising.

MERCHANDISING—Good merchandising brings the product and the customer together at the point of sale. Hands skilled in retail selling are developing new ways to move more dairy foods out of the dairy case into the family kitchen. This has made your grocer's dairy department space the most profitable in his store.

ADVERTISING—Walt Disney's skilled hands produce the Disneyland TV show, one of the "top ten" TV programs in the nation. This adds real power to American Dairy Association's well balanced sales program. Through Disneyland, tested sales messages on milk and other dairy products reach 40,000,000 people weekly . . . at a cost of 1/10 cent per person reached.

PUBLIC RELATIONS—Milk was spotlighted on every TV and radio network and in practically all daily and weekly newspapers as a result of Eleanor Maley's flight to Paris to present a gift of milk to French Premier Mendes-France. Creating a continuing public interest in dairy foods and dairying—America's most progressive industry—is a job being done by skilled public relations people.

The Dairy Farmers' Own

AMERICAN DAIRY ASSOCIATION

sells more dairy foods to more Americans

20 North Wacker Drive, Chicago 6, Illinois

You never outgrow your need for Milk

Service Bureau

Pay Tenant For Grass Seed?

To the Editor: I moved on a farm March 1. The former tenant paid for half the grass seed planted last year. He has moved now and wants me to pay for the grass seed. What do you suggest in this case?—R.G., Marshall county, Iowa.

If the former tenant paid for half the grass seed that was sowed the year before he moved to the farm, you or the landlord propably should pay him for half the seed he sowed last year.

However, if he didn't pay the tenant or landlord who was on the farm before he moved to it for half the grass seed, he shouldn't expect you to pay for half the seed he sowed last year.

Joint Or Separate Tax Returns

To the Editor: Can a man and wife file separate state income tax returns if they have filed joint federal returns—A.G., Webster county, Iowa.

Separate returns are permissible in Iowa whether federal returns were joint or separate. Man and wife can save taxes by filing separate state returns if the wife has substantial income in her own right.

But in the separate returns, each should report only the income actually earned or coming to that one. The income can't be split evenly on the state return unless it was actually earned that way.

Divide Estate Without Sale?

To the Editor: What is the procedure to divide real property held by several heirs without selling it?—L. K., Muscatine county, Iowa.

The Service Bureau attorney says in his opinion the only legal way to divide the property without selling it, is for all the heirs to reach an agreement on the property division.

The agreement would require sitting down with everybody who owns an interest in the property and reaching a division satisfactory to all parties concerned.

"Pop insists that I don't waste time with girls."

Cattle can't turn around in this squeeze type chute but are pushed ahead by those behind them. Sides are six feet high. Poles are braced on the outside leaving space a foot wide at the bottom and three feet at the top. Photo was taken from loading chute at end. On the Tom Kearns ranch, Sublette county, Wyoming.

"Taken" By Septic Tank Cleaner

To the Editor: Last spring, a septic tank cleaner wanted to inspect my septic tank. Of course he said that it needed cleaning "as bad as any tank I've ever seen". So I told him to go ahead. I was foolish and didn't ask the cost before he did the work. I got cleaned out of an extra $300. I wish you would warn others.—J.R., Lyon county, Minnesota.

Such septic tank cleaners operate thruout the midwest each year. This year won't be an exception. Watch for them.

In most counties, you will be able to find a local septic tank cleaner or "scavenger" to do the job for you. Since he is a local man, you can be pretty sure you'll get an honest job.

Most septic tank cleaners are honest. But beware the kind who won't quote you a price for the entire job. Don't let any of them scare you into paying an unreasonable price. Call the sheriff or local police and talk it over with them first.

Check Law Before Asking Change

To the Editor: I have been advised to write to my state senator urging that he vote for a certain amendment to one of our present laws. I don't know what the law or the amendment is, so what should I do?—J. P. Adair county, Iowa.

Before you write your state senator, find out what you are asking him to vote on. The particular amendment may change a law that benefits you.

Don't ask him to vote for the amendment just because your neighbor likes it. Find out about the amendment first.

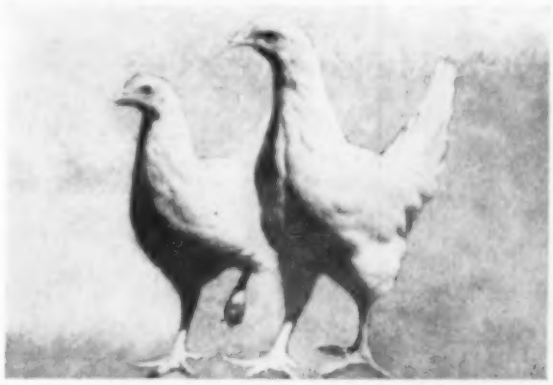
SEE THE DIFFERENCE GroLac in GOOCH'S BEST CAN MAKE IN YOUR CHICKS:

It Provides EXTRA Growth Boosters "Synthetics" Alone Can't Equal

Of course we add proved scientific laboratory-produced growth boosters to GOOCH'S BEST Chick Starter. But—we go a step farther. Now we've added GroLac, Gooch's exclusive combination of extra growth boosters that cannot be produced artificially.

Here's why we do it:—Extensive tests on our own Experimental Farm showed that GroLac-fed chicks scored *9% bigger gains* at 8 weeks than the regular feed did! GroLac was the only difference. No difference in breeds; no difference in housing; no difference in management. Just GroLac added — and the feed proved 9% better! That's why all GOOCH'S BEST Chick Starter now contains GroLac.

Start your chicks on Gooch's Best this year! Be sure they are getting *all* of the growth booster elements needed. Give them the best—GOOCH'S BEST Chick Starter with GroLac. See your Gooch dealer for a supply before you buy your chicks!

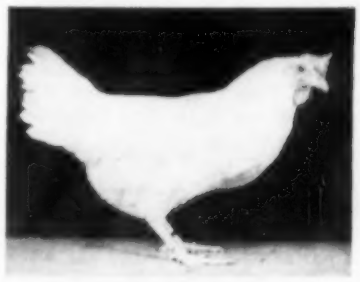


SEE THE DIFFERENCE GroLac MAKES

These two pullets had the same identical feed with the one exception: The one on the right got GOOCH'S BEST Chick Starter with GroLac; and she weighed 9% more than her sister on the left.

LOOK AT THAT FEATHERING

This big thrifty pullet's feathers tell a story—of a complete ration, good conditioning that puts her days ahead of pullets fed without GroLac's vital factors.



WHAT YOU FEED NOW

Can Determine Next Fall's Egg Profits: The deep, roomy body, big frame, top stamina of this pullet, fed on GOOCH'S BEST with GroLac, are what you want in your pullets when you put them in the laying house.

HOW MANY WILL YOU BRING THROUGH AS LAYERS?

Not only do the antibiotics and coccidiosis control drug in GOOCH'S BEST help your chicks fight off disease, but the extra vital growth factors in Gro-Lac give them that extra stamina to help livability and protect your profits!

GOT 98½% LIVABILITY AND "PULLETS TOO GOOD TO CULL" on GOOCH'S BEST with GroLac

Robert Carlson, Malvern, Ia., writes to say:

"I started 312 chicks last Spring and housed 307 pullets in the fall, feeding GOOCH'S BEST with GroLac. They are all fully developed and very uniform; I just wouldn't know where to start culling this flock any farther. Something certainly helped me do a better job than ever before—and it must have been that GroLac in Gooch's Best."

REMEMBER:

GOOCH'S BEST *Feeder-Proved* **FEEDS are part of GOOD MANAGEMENT!**

CASH YOUR GOOCH CHICK STARTER CHECKS NOW!

Each Starter Check you've saved is worth one pound of GOOCH'S BEST Chick Starter with GroLac. Take them to your Gooch dealer for your FREE feed.

GOOCH'S BEST — GOOCH RED CIRCLES ARE VALUABLE — COLLECT THEM

GOOCH RED CIRCLES *ARE VALUABLE!*
Collect and trade them for valuable merchandise.

GOOCH FEED MILL COMPANY
Lincoln, Neb. Salina, Kan. Council Bluffs, Ia. Dalhart, Tex.

CARL BLOM
of Newton, Iowa
says,

"ANCHOR
TRUE-VAC
for HOG CHOLERA
protects my hogs and saves me around $400 annually"

"Anchor True-Vac has done the job for me ever since it became available, while Anchor Ery-mune has eliminated the trouble we formerly had with erysipelas. I vaccinated over 1000 hogs last year, and plan to vaccinate another 1000 this year, at a saving of around $400 annually. I would recommend True-Vac and Ery-mune to any farmer because he can save money and be safe in doing his own vaccinating."

ANCHOR The HOG CHOLERA VACCINE True-Vac with the Safety-Serum Balancer

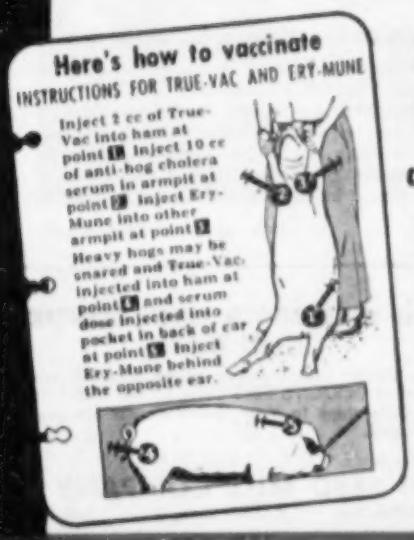
EARNEST AND
EMMERY J. PRIBYL
Wolsey, So. Dak.
report,

"ANCHOR *ERY-MUNE*
stopped our Erysipelas losses"

"Five years ago we lost a third of our hogs to erysipelas. Since then we have used Anchor Ery-mune, and it has given excellent protection. It doesn't bring the disease on the place, and we feel that in time erysipelas will be stamped out. We have also found that Anchor True-Vac gives us good protection against hog cholera with no set-backs. By doing our own vaccinating with these two products, we figure we save about 50 per cent."

ANCHOR Ery-mūne Erysipelas-Immunizer

Here's how to vaccinate
INSTRUCTIONS FOR TRUE-VAC AND ERY-MUNE



Double up on Safety

and save money, too!

Immunize against cholera and erysipelas at the same time and SAVE up to 76 cents per head.

Anyone who raises hogs can safely use these products.

Ask for
TRUE-VAC & ERY-MUNE
by name from your Animal Health Dealer.

Also write for FREE NEW animal health booklet.

ANCHOR SERUM COMPANY
ST. JOSEPH, MISSOURI

What about pig hatcheries?

Going has been rough. But this Iowa pig hatchery operator looks ahead hopefully

Pig hatcheries were making headlines a few years ago. But they've failed to do the job that some folks expected. What's the reason? What's ahead? After five years as a pig hatchery operator, Keith Myers of Grundy county, Iowa, offers this comment:

A FEW years ago, someone coined the term, "pig hatchery," and applied it to the large-scale production of feeder pigs on a year-round basis.

And the pig hatchery idea appealed to lots of farmers. It suggested something more than ordinary production of feeder pigs.

Could the pig hatchery be a source of high quality, disease-free, weaned pigs—pigs that could be bought with the same assurance that you have in buying baby chicks?

That's what hog farmers wanted—and still want.

Up to now, pig hatcheries have had little if any influence on the swine industry. Why?

In the first place, there are very few real pig hatcheries. Capital requirements are high. Good equipment, quality breeding stock and skilled labor are essential.

Disease control has been a major problem for pig hatchery operators.

Chances of disease are multiplied many, many times when you farrow 50 to 75 or more sows per month as compared to 20 or 30 per year in a regular farm operation. And a disease outbreak can put the pig hatchery out of business, temporarily at least.

Ups and downs in hog prices have put the squeeze on the pig hatchery operator. His profits per unit are pretty small. To make money, he must have a high volume. And a drop in demand for feeder pigs may find him selling at a loss.

Temporarily, because of a bout with rhinitis, I am not in the actual production of feeder pigs. But I'm not discouraged. I'm planning to get back in. For I'm sure that some day this idea of a pig hatchery will be a reality.

Why? Because farmers want a dependable source of uniform, healthy, high quality pigs. They want the kind of pigs that, in my opinion, only pig hatcheries can produce.

The problems that have plagued pig hatcheries can be solved. We've solved bigger ones.

In the meantime, I look for a very rapid expansion of feeder pig production along the fringe areas of the Corn Belt.

Keep an eye on what's happening in Missouri and Wisconsin, for example.

Small farmers in those states are getting assistance with feeding, breeding and management problems—aimed at producing better feeder pigs.

These areas are making rapid progress in quality as well as numbers of pigs produced. The meat-type hog is being emphasized. There's an attempt to spread farrowing more evenly thru the year. And improved marketing methods are being used.

These small-scale feeder pig producers have an advantage over the pig hatchery from the standpoint of disease control. Also, using family labor and very

(Continued on next page.)

Sow and litter taxi . . .

For Complete sanitation, sows and litters should be hauled, not driven, from farrowing quarters to clean ground. On the Charles Cowen farm in Jefferson county, Iowa, sows and litters are moved from the central farrowing house to pasture on this sled.

"Henry, you left the door open and tracked mud . . . IS THAT YOU, HENRY?"

There's demand for feeder pigs

(Continued from last page.)

little equipment, it's possible for them to produce pigs at lower cost.

However, the small-scale pig producers have some problems, too. A few unscrupulous operators can quickly undermine confidence in their product. And it's hard for a number of individual operators to produce pigs of uniform type and quality.

There is a growing demand for quality feeder pigs. It's a part of the trend toward specialization. So feeder pig production will continue, whether by pig hatcheries or by small producers on the edge of the Corn Belt.

Personally, I believe that the pig hatchery will yet make a contribution to the swine industry. And when that time comes, the potential of the pig hatchery is fantastic.

Suppose pig hatcheries could deliver pigs with the same degree of assurance that farmers have now in buying seed corn, chicks and turkey poults. Then I believe that one out of every five farmers in Iowa would discontinue farrowing operations in the next 10 years. That's a market for four million pigs per year—in Iowa alone!

Test Grass-Legume Mixtures

How does grass fertilized with nitrogen compare with a legume-grass combination? Here are the results of United States Department of Agriculture tests:

Three grasses were tested with nitrogen, without nitrogen and with ladino clover.

Adapted grasses with large amounts of nitrogen produced as much protein per acre as the grass-legume mixture. Grass alone needed 160 pounds of nitrogen each year to maintain this equal production.

Big difference was in timing of production. Production of the grass-legume mixture was more even thru the season. The mixtures produced about half of the annual yield after the July harvest. The fertilized grasses produced only about one-fourth of the annual production after the July harvest.

Tests were made at the Beltsville, Maryland, research center.

No step in growing grain builds extra yield at lower cost than seed treatment.

You plant for a higher yield when your seed is treated with Ceresan®

SEED DISINFECTANT

Here's Proof !

Treated **Untreated**

You get more strong plants from seed treated with "Ceresan"

On all chemicals always follow directions for application. Where warning or caution statements are given, read them carefully.

More grain sprouts—and comes up clean and strong—from seed treated with "Ceresan." By controlling seed and seedling diseases before and after planting, "Ceresan" promotes stronger, more vigorous stands that yield more grain. "Ceresan" helps seed take full advantage of good land and sound crop practice.

Why "Ceresan" is so effective

"Ceresan" controls stinking smut of wheat, stripe and brown and covered smut of barley, and diseases of oats, rye and flax. Kills disease on contact, also furnishes penetrating vapor to destroy disease that hides under seed coats. Protection continues after planting.

Here's how "Ceresan" pays

One Experiment Station says farmers get back about $75 for each dollar spent on seed treatment. For a few cents an acre, plant treated seed. Your seed treater may be using either a non-dusting form of "Ceresan," or a new Du Pont liquid treatment which colors the seed. Or, you can buy "Ceresan" M to treat your own seed.

Ask your treater to use

DU PONT REG. U.S. PAT. OFF.

Ceresan®

SEED DISINFECTANTS

BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY

Now stop damage like this from hidden soil insects

THINNED OUT by hidden soil insects that fed on the newly-planted kernels! Costly damage suffered by this cornfield could have been avoided by planting Kingscrost. For now Kingscrost gives you the safety of new TWP—"Two Way Protection" seed treatment.

NEW TWP TREATMENT OF KINGSCROST SEED GIVES EXTRA CORN FROM EVERY ACRE!

Corn losses from hidden soil insects can be stopped! New TWP—"Two Way Protection" seed treatment—protects your newly-planted Kingscrost from both insects and diseases that attack corn kernels.

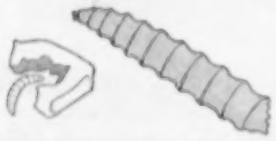
Results from farm trials and test plots show profitable stand increases from Kingscrost's new TWP seed treatment. Over 25,000 acres were planted in 1954. Checks made showed increases averaging better than 3% on *all* soils!

If you were to get *only a 2% increase*, it would be the same as an extra acre or more of corn for every 50 acres planted! And in rich soil—where insect populations usually are heaviest—your increase in stand might easily be greater than 10%. Such an increase can mean hundreds of extra dollars from your corn!

So this year stop hidden soil insects from chewing up your corn profits. Plant the *only* hybrid seed corn now TWP treated against both insects and diseases. Choose high-yielding Kingscrost hybrids to give your corn the best start it's ever had. You'll get fuller stands, higher yields from Kingscrost's new TWP—"Two Way Protection" seed treatment. Buy your Kingscrost now from your local Northrup King dealer.

TWP STOPS THESE PESTS

SEED CORN BEETLE. Chews only on seed. Does costliest damage in cold, wet spring seasons. New "Two Way Protection" seed treatment halts damage completely.



SEED CORN MAGGOT. Larva tunnels into softening kernels during germination. Kills or stunts corn plants. New TWP seed treatment gives complete control.

WIREWORM. Eats corn kernels early. In heaviest infestations may also feed on roots and plants. New TWP treatment on Kingscrost seed stops kernel feeding.

KEN ERICKSON

KEN ERICKSON TELLS HOW KINGSCROST'S NEW TWP SEED TREATMENT WAS DEVELOPED BY NK

I've found farmers impressed when they hear of the vast amount of work done in developing the new TWP seed treatment now put on all Kingscrost seed corn. Since 1948 Northrup King men have been working to find just the right formula for an insecticide that would be both safe and effective—and could be applied as the seed corn is processed. Last year alone over 1200 hills of corn were dug up in one group of 22 farm fields to check on the effectiveness of TWP. Results prove that new TWP gives excellent control of seed-eating soil insects.

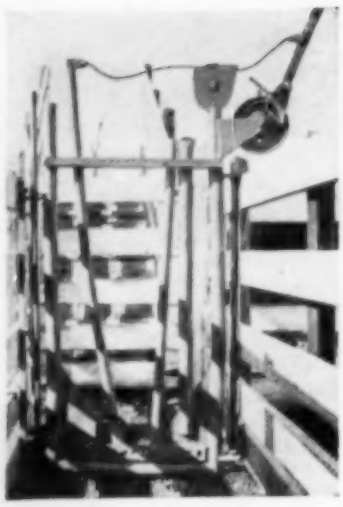
Listen to Ken on his radio programs

FOR ACCURATE PLANTING...EVEN STANDS...HIGHER YIELDS

KINGSCROST

Another quality product of NORTHRUP, KING & CO.

MINNEAPOLIS, MOORHEAD, MINN. • MADISON, WISC. • WATERLOO, IOWA



Dehorning stanchion on the Hugh Hudgell farm, Jefferson county, Iowa, fits into the loading chute so stock can be driven into it. After release of animal, stanchion can be swung to one side to let animal by. Remove a rod, and it lifts out of the chute entirely. Both pipes are adjustable at the bottom. Lever shown at top closes the stanchion and can be locked.

QUIPS AND QUOTES

EVEN IF YOU DIDN'T get everything you wanted last year, you can be thankful you didn't get everything you deserved.—Clear Lake Mirror.

A RECKLESS DRIVER is one who passes you on the highway in spite of all you can do. —Rolfe Arrow.

AS A MAN grows older and wiser, he talks less and says more.—Lake Park News.

MOST WOMEN WANT to hear the truth—regardless of how flattering. — Grand Junction Globe-Free Press.

IN A COLD WAR the thing most likely to bring real trouble is the hothead.—Algona Upper Des Moines.

IF YOU WANT a place in the sun, don't be afraid of blisters. —Knoxville Journal.

TROUBLE LIES AHEAD for the person who decides he is a little too good for his job.—Colfax Tribune.

SOME PEOPLE express an idea; others send it by freight.—Lake Mills Graphic.

"THE MEN WHO have succeeded best in life are those who have been jolly and hopeful."—Fonda Times.

SOLITUDE IS AN excellent companion for those who are at peace with themselves.—New Hampton Tribune.

MOST PEOPLE WOULD agree that the last sparrow would be a more welcome bird than the first robin.—West Bend Journal.

How to plan a FLY CONTROL PROGRAM

With a minimum of *advance* planning—and the help of your MoorMan Man—you can, this year, practically rid your premises of flies. Here are the *3 simple steps* for doing away with Public Pest No. 1.

1. CLEAN UP AND TREAT BREEDING PLACES—This is the most important part of your program—a must, that should be started in early spring. Here's how MoorMan's can help! Breeding places that cannot be eliminated should be treated with *MoorMaFume**—a wettable powder insecticide that contains Benzene Hexachloride. Comes in handy 1 lb. shaker type containers for dusting—or in 4 lb. cartons and 25 lb. cans. Spraying all potential fly breeding areas is highly effective because it not only kills flies, but eggs and larvae as well.

2. TREAT ANIMALS—For dairy cows use MoorMan's *Fly Spray with Methoxychlor.* The methoxychlor produces a high killing effect, while other ingredients give knockdown and high repellent value. For beef cattle use *Insecticide Concentrate,* which contains both Methoxychlor and DDT. Both are recognized as highly effective residual fly killers, but the combination of both has proven to be the most effective fly killer known.

3. TREAT SURFACES FLIES CONTACT—In addition to spraying the breeding places and animals as recommended above, the inside of buildings should also be sprayed, if your fly control program is to be effective. In *non-dairy buildings, Insecticide Concentrate,* containing both Methoxychlor and DDT is recommended,—one part mixed with five parts water. One quart of this mixture will treat 250 sq. ft. In *dairy buildings, Triple X M/L Insecticide,* containing both Methoxychlor and Lindane, is recommended. Four pounds of Triple X M/L Insecticide in a gallon of water will cover 250 sq. ft. of surface. In addition to the killing effect, it will also give a clean white surface when dry.

REMEMBER—every MoorMan fly control product is not only tested and proved in our modern Parasitical Research Laboratory—but has proved its full worth by practical application on thousands of farms.

PLAN YOUR FLY CONTROL PROGRAM NOW!

Ask your MoorMan Man for this free booklet—"Effective Fly Control." Not only details methods of fly control, but describes most common species of flies and their habits.

Or—if a MoorMan Man is not readily available—and you want to get started on fly control plans at once—drop a postcard to Moorman Mfg. Co., Dept. 553, Quincy, Ill. and ask for your free copy.

GOOD MoorMan's

MoorMan's*

Since 1885—70 years of friendly service

INTERNAL AND EXTERNAL PARASITE CONTROL PRODUCTS

*Trademark Reg. U. S. Pat. Off.

"He likes it private so he can think clearly while planning next year's crops."

Clean Pens With Machinery

Tired of cleaning calf pens by hand? There's an easier way, thinks Stan Witzel, University of Wisconsin engineer.

Witzel hung partitions in calf pens from the ceiling by chains. Then they can be swung to one side while a manure loader does the hard work.

Choose Trees To Fit Area

Thinking of planting an eroded area to trees? It will pay to fit trees to the area.

For example, ash growth was decreased as soil erosion and nitrogen content of the soil decreased. Same goes for many other hardwood trees.

Black locust is an exception. This and a few other species are legumes which can fix some nitrogen from the air.

Pines seem to be least influenced by the condition of the area to be planted. For this reason, they seem to be the best species for reforesting eroded areas in southeastern Iowa.

Seed Selling Rules For Farmers

If you plan to sell home-grown seed on the farm, check the legal requirements in your state.

Here are the Iowa requirements, according to L. E. Everson of the Iowa State College Seed Testing Laboratory.

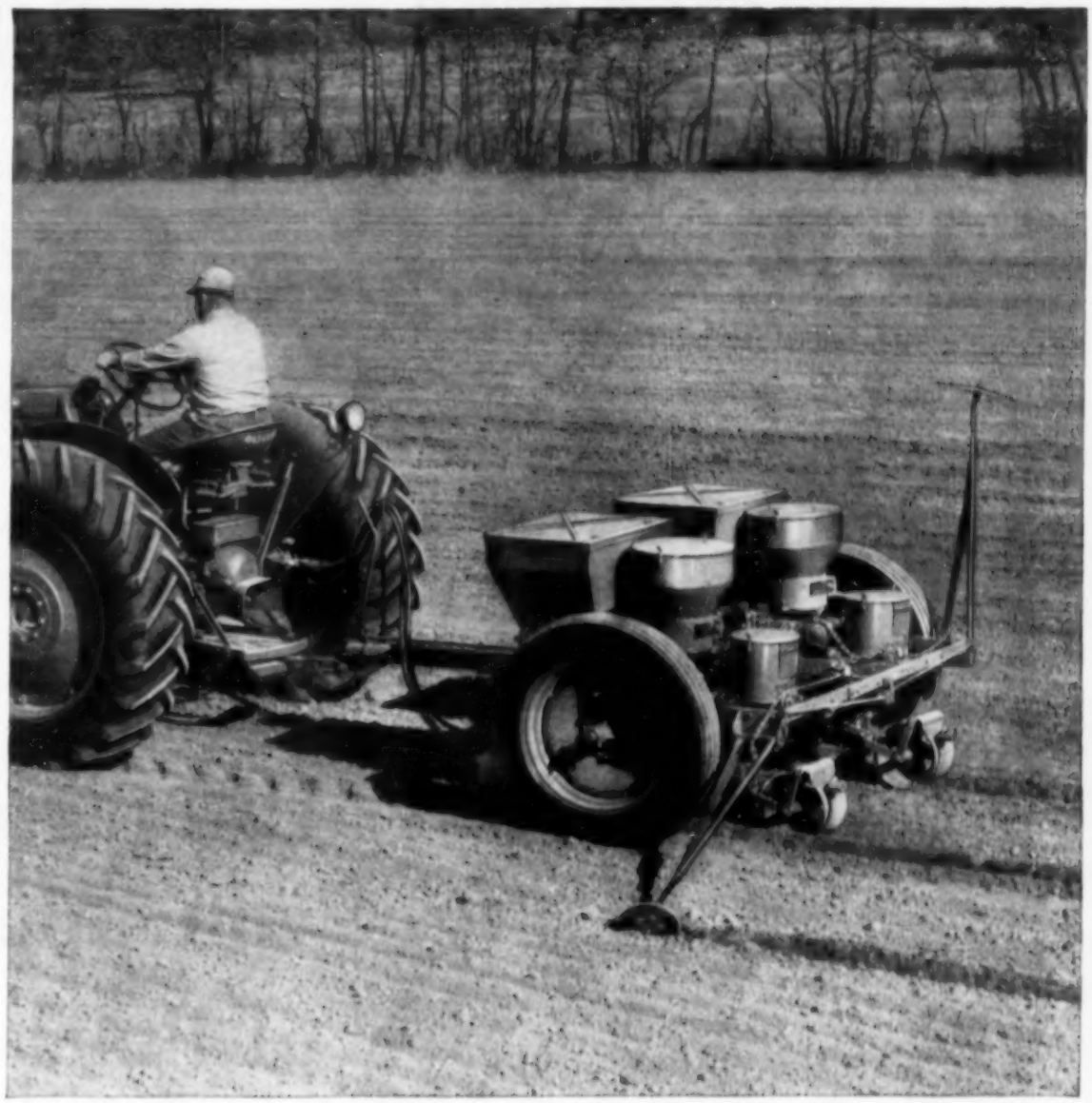
Seed sold on the farm by the grower must carry a guarantee that it contains no primary noxious weed seed, and the total weed seed is not over 1½ percent.

The kind and number of secondary noxious weed seed must also be listed per ounce or per pound. Germination percentage must be stated.

To give this information, the grower must have seed tested. Information from the test must be attached to bags or posted on a placard at the grain bin.

These regulations apply only when farmers sell seed on the farm to other farmers who will use the seed on their farms. They do not apply where farmers sell seed to seed-processing plants or dealers. Then the buyer becomes responsible for proper labeling of seed.

Of course, if a farmer establishes a place of business off the farm for the sale of seed, he must meet all legal requirements for commercial seedmen.



This way for bigger yields, faster growth, less work—

BANDWAY

THE OLIVER IRON AGE BANDWAY CORN PLANTER

BIGGER YIELDS. Reports indicate yields can be doubled. You place far more fertilizer *where* your corn needs it, *when* your corn needs it—that's Bandway!

FASTER GROWTH, because your corn gets a *double dose*—first, from the twin rows of starter fertilizer right alongside the kernel—later from the two rows of growth fertilizer placed six inches deep. You can hold off your planting as long as a week, and escape the first brood of borers.

LESS WORK, because you get three things done at once—two fertilizations, plus planting. Once over the field, and the job is finished.

Isn't this the way *you'd* like to plant? See the planter that makes it easy...the Oliver Bandway...see your Oliver Dealer! The Oliver Corporation, 400 West Madison Street, Chicago 6, Illinois.

EASY DOES IT! Just load her up with fertilizer—one kind for starting, one kind for growth. The Oliver Bandway lays two bands shallow, two bands deep. There, your work is over—no side dressing, no broadcasting in your busy plowing season!

OLIVER

OLIVER

"FINEST IN FARM MACHINERY"

put your CORN CROP

on the PROFIT side of the fence with VITREA

(Vy-tree-uh)

45% Nitrogen from UREA

Convince yourself with a "no-nitrogen" check strip that adding extra nitrogen will make you *bigger* yields and *higher* profits. Your own experiment station research shows you can get an extra bushel of corn from about 2 pounds of recommended nitrogen . . . one of your most profitable farm operations.

For the greatest nitrogen benefit, apply VITREA . . . 45% nitrogen from urea . . . your most "value-packed" form of nitrogen. Just look at some of these many big advantages you get with Vitrea:

- **More nitrogen per ton . . . 36 pounds actual "N" in every 80 pound bag**
- **Less work . . . fewer stops to refill**
- **Quick acting, long lasting**
- **Resists leaching**
- **Non-caking, easy flowing**
- **Ideal for all crops**
- **Can be applied by any common method . . . at your convenience . . . before planting or as a top or side dressing after planting.**

See your local fertilizer dealer for new VITREA today!

JOHN DEERE QUALITY CHEMICALS

Grand River Chemical Division of DEERE & COMPANY

GENERAL & SALES OFFICES — TULSA, OKLA. • PLANT — PRYOR, OKLA.

Farm women had ideas on election issues. Mrs. Robert Beck of Jackson county, Iowa, says she voted for Gillette because he was against Benson's farm program.

Did farmers vote approval of Benson?

- **Was Senator Martin's victory in Iowa's election last fall an endorsement of Secretary Benson?**
- **Wallace-Homestead Poll asks Iowa farmers about 1954 campaign.**
- **How many farmers voted for or against Benson?**
- **What other issues influenced farm voting in election?**

DID Iowa farmers vote approval of Secretary of Agriculture Benson in the 1954 senatorial campaign? Some folks who support the Benson farm program claim the Iowa vote proved that farmers were backing Benson.

This belief is being given some weight as congress discusses farm bills. On this account, the Wallace-Homestead Poll has asked Iowa farm people to check back on their reasons for voting last fall.

Last November, Senator Martin (Rep.) carried the farm districts as well as the state as a whole. But he had a narrower margin in the country than in the towns and cities.

The farm vote is estimated by taking the votes cast in townships classified by the census as 85 percent rural-farm. Martin got 51 percent of this vote.

Was this 51 percent farm vote for Martin an endorsement of Secretary Benson?

Benson himself says so. But what do Iowa farm people say?

To find out, the Wallace-Homestead Poll went to the country in February, 1955, and asked farm people whether they voted for Martin (Rep) or for Gillette (Dem.) last fall.

Then the Martin voters were asked:

"If you voted for Martin, did you do it because:

1. He was FOR Benson's farm program?

2. Or for some other reason?"

Here is the way men and women (all Martin voters) answered:

	Men	Women
1. For Benson	24%	13%
2. For other reason	76	87

Then the Gillette voters were asked: "If you voted for Gillette, did you do it because:

1. He was AGAINST Benson's farm program?

2. Or for some other reason?"

Here is the way Gillette voters answered:

	Men	Women
1. Against Benson	42%	29%
2. For other reason	58	71

To get 49 percent of the farm vote, as he did, Gillette had to cut in on the 1952 Ike vote. About half of the Ike voters who shifted to Gillette were apparently drawn by the anti-Benson issue.

But for more than two-thirds of the voters, Benson and his farm program were not the main issues. What did influence this majority toward Martin or Gillette?

Party habit was the driving force for most. A farmer in Sioux county said: "I voted for Martin because he is a Republican." A

(Continued on next page)

Martin got a vote from Frank Wegman of Delaware county. For him, Benson was less important than other issues.

Farm vote on Benson

(Continued from last page)

young woman in Decatur county explained: "I voted for Gillette because he was on the Democratic ticket."

In Muscatine county one farmer said: "I didn't vote for Martin particularly. I just voted a straight Republican ticket." And in Story county, "I voted for Gillette because I'm a Democrat."

A young farmer in Union county gave a different answer. "Just say I voted for Martin because I didn't know any better." And a renter in Muscatine county: "I thought Martin had done a darned good job in the years he served as our congressman, and I felt Eisenhower needed all the support he could get."

An older woman in Iowa county explained: "I voted for Gillette because I thought he would do more for farmers."

What else influenced the farm vote? For one strong reason, go back to a Wallace-Homestead Poll in the fall of 1954. The Poll asked: "Which of the following problems is the biggest one facing the United States today?" And the vote showed:

Maintaining world peace	**60%**
Preventing lower prices on farms	**12**

For many farmers, world peace was a much more important issue than farm prices. Early in the campaign, Gillette and Martin apparently had an equal claim to the peace vote. But in the last month, Martin was apparently able to capitalize on farm confidence in Eisenhower as an advocate of peace.

It seems likely that the peace issue, tho not as influential as in 1952, still played a big part in the 1954 campaign.

Looking back, both candidates for senator apparently pounded hard on their best issues. Gillette stressed the farm issue and got a good many Ike voters away from Martin. Martin stressed peace and Eisenhower and held enough of the 1952 Ike vote to pull thru.

Turn to page 63 for the most recent poll on the popularity of Eisenhower and Benson.

THIS COUPON WORTH 50c ON 100 POUNDS OF SARGENT CHICK STARTER. OFFER GOOD UNTIL JUNE 30, 1955. Wf 319.

(This coupon is void, if taxed, prohibited, or restricted by law.)

50¢

the savings roll on...

Sargent CHICK STARTER

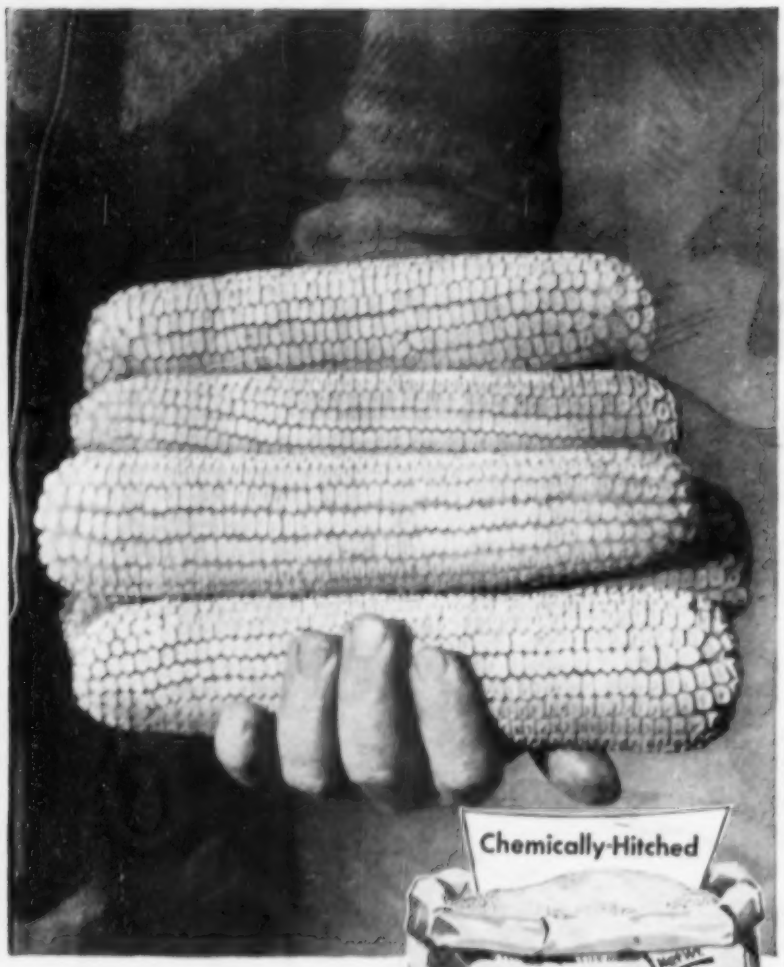
Take this coupon to your Sargent dealer today and save 50c on your first 100 pounds of Sargent CHICK STARTER! There are more valuable coupons on every 50 pound bag to save you 25c per 100 pounds on future purchases!

There's a scientific blend of body-building ingredients in every bag of Sargent CHICK STARTER. Vitamins, minerals, proteins, carbohydrates, antibiotics, Vitamin B-12 . . . plus Megasul, if you prefer, to help prevent coccidiosis.

When your chicks are 8 to 10 weeks old, switch to Sargent PULLET DEVELOPER, a power-packed feed that rounds pullets into top form for early maturity and laying. See your Sargent dealer today!

FEED FEED

SARGENT PLANTS
DES MOINES, IOWA
Monmouth, Ill. Fremont, Nebr. Waverly, Mo. Algona, Iowa



REACH FOR A NEW RECORD

BLENN can raise the yield-standard of your corn acreage

You can grow bigger yields and better corn with **Blenn,** the plant food that is first choice of thousands of farmers. Every year average yields are going up and new records are being made. This year, set your sights for a new record on your farm.

Blenn is Swift's Specialized Cropmaker for corn and other grains. It contains extra growth elements that boost yields and improve quality. **Blenn** combines with your soil to provide your crop with all the nutrients needed for highest possible production.

More important, **Blenn** is Chemically-Hitched—growth elements are fused together by an exclusive process developed in Swift's research laboratory. This assures uniform feeding of your crop, helping to raise the yield-standard of your farm.

What is *your* yield-standard? How high can you go if you put together all the good farming you know? Besides the best seed, soil conservation and good farming methods, add **Blenn** this year. Whatever the season—you'll be ahead with **Blenn.**

Place your order now for **Blenn.** Look for the red and black plaid bag. You'll be getting the best plant food ever made for grain.

Swift's PLANT FOOD SERVICE RED STEER

BUY AT THE SIGN OF THE RED STEER

Research Points

MEAT PRODUCTION for 1955 is estimated at 26 billion pounds. That's up 400 million from 1954. Most of the increase is accounted for by the increase in fall pigs last year.

WHEN MILK was served along with a meal in a Michigan test, 84 percent of the people drank it. About 93 percent of farm folks drank the milk compared with only 75 percent of city folks.

FOUR PERCENT of the people in one survey drank milk when they had to ask for it. When offered milk or coffee with the meal, 11 percent chose milk.

NEW VACCINE for prevention of losses from overeating disease in sheep is now available. It is made under the trade name Fringol by Cutter Laboratories.

ANNUAL CROP LOSS from insects is estimated at nearly two billion dollars. That's about 4.7 percent of the potential production.

HOW MANY STEPS do you take in a day? Probably more than you'd think. "Average" person takes 14,080 steps a day, according to a New York specialist.

GRANULAR INSECTICIDES are more effective than sprays or fine dusts for controlling corn borers, according to Iowa State College specialists. Particles roll into the whorls of corn stalks to get first brood borers. The particles also drop into leaf axils where second brood borers are.

FARM MACHINERY is responsible for 90 percent of all permanent farm injuries to South Dakota farmers. That's according to a recent study of South Dakota accidents. About 45 percent of these were due to corn picker accidents. Wagons and farm truck were involved in 16 percent of the fatal accidents. Tractors tipping over caused the largest number of deaths.

TOTAL WEIGHT of insects on the earth is estimated to be greater than the weight of all land animals. There may be more than 200 million insects on a single acre of farmland.

"Why did Uncle Bill call her THAT? I thought her name was Betsy."

LOW IN COST! FULL GUARANTEE

More than 100,000 in Use in the Midwest! Proved on Over 10 Million Acres!

LINDSAY PB5 LEVER FLEXIBLE HARROW, 24.50

ONLY Lever Flexible Harrow with

UNIFORM ANGLING OF ALL 5 BARS

- Easily replaceable shouldered and nutted Teeth
- Reversible Teeth
- Double adjustment Bars for Added Strength
- High Carbon Steel Bars

OE 5½ HARROW, $24.88

D5 40 HARROW, $22.38

FB 1 HARROW, $18.38

All prices FOB our warehouses

FULLY GUARANTEED

Replacement or Money Back! All material, workmanship and satisfactory performance unconditionally guaranteed.

LINDSAY BROS. CO.

- Each tooth locked on with Lock Washer
- Strong as Railroad Tracks. ½-in. high Carbon Steel
- Forged to hard, diamond point
- Better cutting and penetration
- Guaranteed to outlast any other teeth of equal weight

LINDSAY HARROWS

LINDSAY BROS. Co.

Des Moines, Iowa

Sioux Falls, S. D.—Fargo, N. D.—Omaha, Neb. Minneapolis, Minn. — Mason City, Iowa

✳ For full information, write your name on the border and mail to Lindsay Bros. Co.

CLINTON

Dex-Mo-Lass

IT'S SWEETER

40%

TOTAL SUGARS

Free flowing under all conditions.

Eliminates all undesirable characteristics of liquid molasses, i.e., no sticky mess in summer, no heating in winter, no heavy drums — no special handling required.

Remember the high total sugars is the equivalent of approximate 80% liquid molasses. This helps maintain high quality feeds.

Have you considered that high sugars, low moisture, low fibre, high palatability and 12% protein level makes this a reasonably priced supplement?

This scientifically balanced supplement is made from CORN SUGAR MOLASSES (Hydrol), CORN OIL MEAL and CORN GLUTEN MEAL.

BUY DEX-MO-LASS NOW

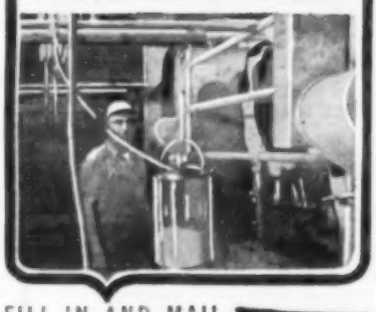
CLINTON FOODS INC.
Clinton, Iowa

THE NEXT 60 SECONDS SPENT WITH THIS MESSAGE CAN BE THE MOST IMPORTANT IN YOUR DAIRYING LIFE!

You can stop . . . the costly shrinking of your dairy profits . . . the constant paying of vet and drug bills . . . with one, quick, easy stroke! By sending in the coupon below . . . TODAY . . . you'll see actual proof how the complete MARLOW SYSTEM OF PARLOR AND PIPELINE MILKING rolls up new records in increased milk production and stamps out the major cause of Mastitis. These are the facts that every dairyman interested in saving time, money and labor should know. No matter when you plan to change to the Pipeline System—right now is the time to learn the facts

about

MARLOW SYSTEMS



FILL IN AND MAIL THIS COUPON FOR FREE 19 PAGE BOOKLET "ESSENTIALS OF SUCCESSFUL PIPELINE AND MILKING PARLOR OPERATION"

$5.00 REWARD FOR NAME OF EACH MARLOW SYSTEM PROSPECT YOU SEND US . . . IF SOLD WITHIN 90 DAYS

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Dept. 1 MANKATO, MINNESOTA

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ADDRESS _____

CITY _____ STATE _____

Package rack is welded to this mailbox stand. Keeps parcels up off the ground and in plain sight from the house. Linus Holtkamp's mailbox in Lee county, Iowa.

TREATING ALFALFA SEED improved germination in North Dakota tests. Inoculation can be applied after seed is treated and just before planting.

PIGS SELF FED corn while on good clover pasture used 331 pounds of corn per 100 pounds of gain. Pigs given a 40 percent full feed of corn used only 256 pounds of corn per 100 pounds gain. Pigs on limited corn produced leaner carcasses, too. Fifty to 70 percent of full feed seems the best level of corn feeding to increase the porportion of lean meat. Further tests are under way in Indiana.

STRAW goes farther as bedding if it is chopped, according to Rutgers University reports. Chopped straw is said to be more absorbent and easier to handle.

MILK COWS are heavy eaters. Last year, milk cows ate an average of 1,659 pounds of grain or other concentrates. And 2.2 tons of hay, 2.1 tons of silage and 0.1 ton of other dry roughage.

WHEN SHOULD a beef heifer have her first calf? Oklahoma tests are aimed at finding an answer. Results so far show heifers having the first calf as two-year-olds produce almost one extra calf per cow by five years of age. That's compared with heifers having the first calf at three years. About 50 percent of the two-year-olds needed help with calving. Ten percent of the calves and four percent of the heifers were lost. Only four percent of three-year-old heifers needed help. And no calves were lost.

CHEMICAL soil conditioners are not practical for most farms, according to Iowa State College experiments. Tho they can help soil structure, the advantage isn't enough to make them profitable at present prices, the tests show.

When is one hog worth a whole herd?

ANSWER: *One hog is worth a whole herd when the price of one pays for immunizing the herd against cholera.*

THERE IS ONLY ONE

FORT DODGE M·L·V Trade Mark

THE ORIGINAL MODIFIED-LIVE-VIRUS HOG CHOLERA VACCINE

The cost is relatively small to have your hogs vaccinated against cholera by the simultaneous method . . . with anti-hog-cholera serum and M·L·V, the original modified-live-virus vaccine. A gamble on "letting it go" could be disastrous.

Play it safe. M·L·V sets up active, long-lasting immunity, without carrying virulent virus onto the premises. Used successfully for 3½ years on millions of swine. When your veterinarian uses M·L·V you can be sure he is using a scientific, time-tested vaccine that has been proven to provide safe, sure protection against hog cholera.

CONSULT YOUR VETERINARIAN

M·L·V is produced and patented (U. S. Patent Re. 23746) by Fort Dodge Laboratories, Inc., Fort Dodge, Iowa. U. S. Veterinary License No. 112. Sales to veterinarians only.

FORT DODGE

Now to help your dog **work** better...

Feed your dog as well as you feed your stock

Scraps may fill him up—but you can be starving him of vital Livium his system needs.

You wouldn't think of feeding your livestock a skimpy, hit or miss ration.

Well, table scraps can't do a good job of feeding your dog—any more than slops and acorns would do for your hogs.

You can actually be starving your dog for vital nutrients if you still hold to "scrap" feeding.

So, the folks who make those fine Nutrena farm feeds have studied the problem of feeding hard-working farm dogs, and they've come up with a complete, balanced ration for dogs that's economical and easy to feed.

You folks who have been feeding livestock on Nutrena feeds know how important Nutrena's Livium can be. Well, Nutrena Dog Food is stepped up with a special Livium for Dogs that rounds out this complete balance of nourishing, health producing ingredients.

Your dog will really go for Nutrena, too. It contains new "Silent Scent". You can't smell it, but your dog can . . . and it makes him eat it.

You'll probably never have a better friend or a harder worker than that dog of yours. Don't make him exist on a diet of scraps when he can be a healthier happier dog on Nutrena Dog Food.

GUARANTEED ANALYSIS OF NUTRENA DOG FOOD	
PROTEIN	27%
CARBOHYDRATES	44%
CALCIUM	2.38%
VITAMIN A	4000 IU/LB
VITAMIN B-12	16 mcg/LB
VITAMIN D	1000 IU/LB

Nutrena ranks high in nutrition in every one of six vital food value factors needed for growth.

"Silent Scent"—A new aroma discovery that makes dogs eat Nutrena—when they turn down other dry dog foods—is in both Nutrena Meal and Nuggets. Ask your Nutrena dealer for a 25-lb. or 50-lb. bag. (Also available in 2 lb. and 5 lb. boxes.) (Advertisement)

Iowa M.D.'s Say . . .

Appendicitis is still dangerous

"DON'T give castor oil for a belly ache!"

This was the standard warning in the 1930's when appendicitis was one of our most dreaded killers. Even tho we don't hear much about this disease today, it is still with us.

However, the decline in deaths due to acute appendicitis is striking. In 1930, 19,000 deaths were caused by appenditicis. In 1952, this number was decreased to less than 4,000.

Now, most patients are up and walking around the day after surgery has been performed to remove the appendix. These patients are usually discharged from the hospital on the fifth day. We can thank accurate diagnoses, good surgery, and the antibiotics for this improvement.

But, even with these marked improvements, many people die from undiagnosed acute appendicitis. Many are made invalids for life because of a delayed diagnosis.

The classical symptoms of appendicitis are generalized abdominal pain, which is later more prominent in the right lower section of the abdomen, nausea and vomiting, and low grade fever. Sometimes the patient is unable to stand up straight.

Laboratory tests are performed to aid the doctor in making a diagnosis of appendicitis. An elevated white blood count is one of the signs that indicate this disease.

However, acute appendicitis can mimic almost any acute condition of the abdomen. If the appendix is close to the colon, diarrhea will be an early symptom. There may be a feeling of "gas pressure" and incomplete emptying following a loose stool.

When the appendix lies close to the ureter, which is the tube from the kidney to the bladder, the need to urinate may be frequent and urgent.

Use of penicillin in treating so-called "undiagnosed conditions of the abdomen" may retard but will seldom control or destroy the infection. It often causes delay in reaching a correct diagnosis of appendicitis.

The newer antibiotics, such as chloromycetin, aureomycin, achromycin, and terramycin, all have great value in treating the spreading peritonitis after a ruptured appendix has been removed.

If you ever have any of the symptoms that have been described, the following rules may help you avoid unnecessary pain and delay in an accurate diagnosis:

1. Never take a laxative for a stomach pain.
2. Go to bed, and rest quietly.
3. Take no food or drink.
4. Call a doctor immediately.
5. Follow your doctors instructions carefully.

Articles in this series are prepared by members of the Health Education Committee of the Iowa State Medical Society.

LASTS LONGER, BUT COSTS NO MORE!

Thousands of satisfied users will tell you that Omaha Standard gives you the **best** body at the **best** price! Its rugged construction guarantees years of hard use. Its easy-ride design protects your motor truck . . . prevents injury to your live-stock. And, even though your Omaha Standard Body lasts **longer** and brings a **higher** trade-in, it costs no **more!** Get the complete facts today.

STOP SCOOPING . . . DUMP YOUR LOAD!

Save time! Save man-hours! Save back-breaking labor! Equip your truck with an Omaha Standard Underbody Hoist ! ! Built to serve you a lifetime. A hoist for every service, pick-up to 20-ft. bodies of any make or model. Will outlast several trucks . . . quickly pays for itself. Why do it the hard way? Throw away your shovel and do it the **modern** way, with an Omaha Standard Underbody Hoist !

➡ **Write NOW,** Direct to Factory, Dept.F6, for Full Information.

Any dealer can get you an Omaha Standard Body or Hoist from the Factory or any of the following Factory Branches:

So. St. Paul, Minn.; Summit, Ill. (Chicago Suburb); E. St. Louis, Ill.; So. Omaha, Neb.; Kansas City, Mo.; Sioux City, Iowa; Sioux Falls, S. D.

Direct Factory Distributor: Des Moines Wheel & Rim Company, 2206 Ingersoll, Des Moines, Iowa.

OMAHA STANDARD
FACTORY AND GENERAL OFFICES
2401 W. Broadway
COUNCIL BLUFFS, IOWA

HENKE POWER TAKE-OFF CORNSHELLER DRIVE

Fits M. M. Model E or John Deere No. 6. Can be adapted to fit any make corn sheller. Heavy duty gears and chain drive. Uses Tractor P.T.O. No slippage. Does top job economically.

HEAVY DUTY ROLLER MILL

Truck or Trailer Mounting. New! Run by power take off, motor or tractor belt. 4 sizes. Finest workmanship.

Write for literature and prices
HENKE MFG. CO., Columbus 5, Neb.

We claim it's the best because it gets *all* the grain in so quickly, without wrapping, shelling or clogging. Easiest there is to put on and take off. Built to last. Ask your dealer or write us for full information —address **Innes Company, Bettendorf, Iowa**

RIGHT . . . *from the Ground Up!*

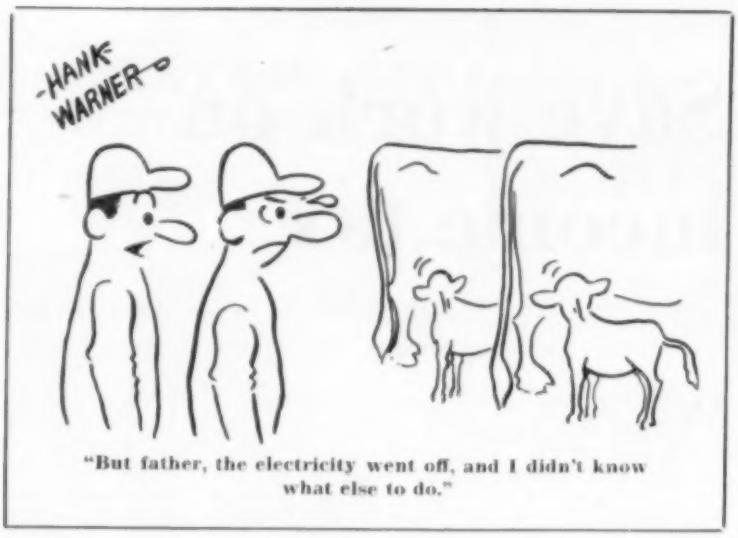
Innes products in this area are distributed by
PORT HURON MACHINERY CO.
301 E. Court Ave., Des Moines, Iowa

New Morton ROLLER CHAIN Elevators

HEAVY DUTY TYPE

Before building your crib, write for our free crib plans, also large catalog showing many styles of **"NEW MORTON" FARM ELEVATORS** with the Original and Genuine Roller Chain. Strongest, Simplest and Easiest Running. Elevates beans, oats, ear corn. 50-bu. in 3 to 5 minutes. Any style hoist. Built to fit your crib. Write today.

MORTON ELEVATOR CO.
Box 435, MORTON, ILL.



"But father, the electricity went off, and I didn't know what else to do."

If you hire machines

Here are costs on Iowa State College farms and suggested custom charges

ACTUAL cost of operating farm machines and a suggested custom charge are reported by Iowa State College engineers, Dale O. Hull and Ray E. Armstrong. They figured costs from actual operation of machines on Iowa State College farms.

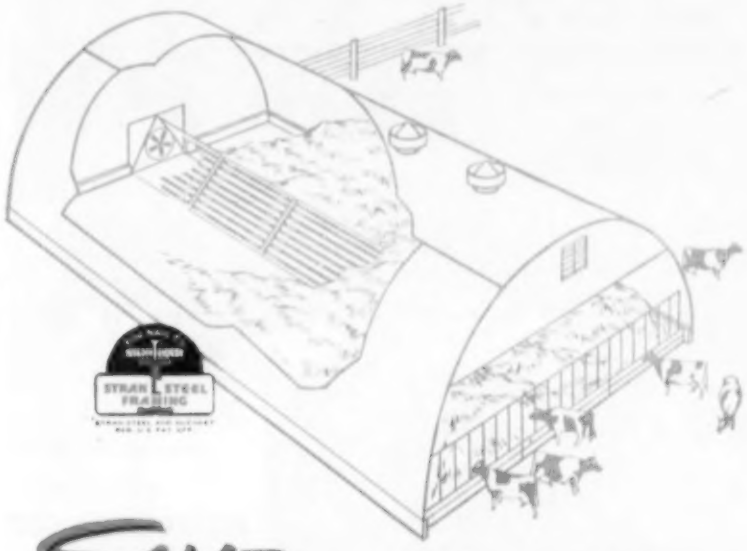
Everything from depreciation to labor is included in costs. But costs are based on rather full use of machines in season. With fewer days use, costs would be higher.

In the table below, the first column is actual cost on college farms. The second is a suggested profit in percentage. The third is the suggested custom charge after profit is added.

FARM OPERATION	Actual Cost	Suggested Profit (%)	Custom Charge
TILLAGE:			
Plowing:			
2-bottom plow	$3.00 acre	25	$3.50-$4.00 acre
3-bottom plow	2.60 acre	25	3.00- 3.50 acre
Disk harrow, 10-foot tandem	0.99 acre	25	1.15- 1.40 acre
Drag harrow, 20-foot	0.61 acre	20	0.70- 0.85 acre
PLANTING:			
Drill, small grain, 10½-foot	1.00 acre	25	1.20- 1.40 acre
Drill with fertilizer, 10½-ft.	1.50 acre	30	1.90- 2.25 acre
Plant, row crop, drill: 2-row	1.50 acre	20	1.80- 2.15 acre
4-row	0.95 acre	20	1.15- 1.40 acre
Plant, check row, 4-row	1.35 acre	25	1.70- 2.00 acre
4-row and fertilizer	1.60 acre	25	2.00- 2.40 acre
CULTIVATION:			
Weeder, 4-row	0.65 acre	20	0.75- 0.90 acre
Cultivate shovel or sweeps:			
2-row	1.35 acre	25	1.60- 2.00 acre
4-row	1.05 acre	25	1.25- 1.50 acre
HARVESTING:			
Corn picking, 2-row	4.05 acre	40	5.00- 6.00 acre
Hauling, from field, elevating and binning	0.05 bu.	35	0.06- 0.07 bu.
Combining, direct or pickup	4.00 acre	40	5.00- 6.00 acre
Windrowing	1.60 acre	40	2.00- 2.40 acre
Forage harvesting:			
Corn, field cut	6.10 acre	40	7.50- 9.00 acre
Grass, field cut	4.65 acre	40	5.50- 7.50 acre
Haul, elevate, pack silage	1.50 ton	40	1.50- 1.90 ton
Shell corn	0.03 bu.	35	0.03- 0.04 bu.
HAYING:			
Mowing	1.30 acre	25	1.50- 1.80 acre
Raking hay	1.00 acre	25	1.10- 1.40 acre
Baling, automatic, including tie	3.50 ton	40	3.90- 4.60 ton
Pickup, haul and store bales	2.75 ton	30	3.25- 3.90 ton
PROCESSING:			
Grind ear corn	0.07 bu.		0.09- 0.12 bu.
Grind oats or small grains	0.07 bu.		0.09- 0.11 bu.
Drying shelled corn and small grains	0.05 bu.		
plus ½c per bu. for each 1% moisture reduced			
FERTILIZING, SPRAYING:			
Spread commercial fertilizer broadcast	1.40 acre	30	1.60- 1.95 acre
Spray 2,4-D (corn or flat work includes 2,4-D)	2.25 acre	30	2.60- 3.15 acre
Spray corn borer (no materials furnished)	0.50 acre	30	0.65- 0.75 acre

Baled hay is stored and fed in this Quonset beef barn on the Hereford Haven Ranch, Vayland, South Dakota. Grain and machinery are stored in two other Quonsets.

Cows feed themselves top quality hay in this Quonset 40 x 100 hay drying and self feeding unit on the Joseph Kargel and Son Farm at Lake Elmo, Minnesota.



SAVE... HAY, FEED AND LABOR with a modern QUONSET®

HAY DRYING and STORAGE BARN

There's more money in hay that's handled the right way. With a Quonset hay drying, storage, and self-feeding barn you can cut your hay early—get hay that retains more of the protein and carotins, is more digestible, and your cows will eat more of it. You dry your hay in your Quonset with less leaf shattering, bleaching and leaching from rain or dew. You feed your hay in your Quonset through self-feeding movable mangers and the cows eat their way into shelter—cut labor to a minimum. Your haying operations will be less dependent on the weather. You reduce the fire hazard from spontaneous combustion when you dry and store your hay in a Quonset. And the higher quality hay you get will let you cut your grain ration as much as 50% with no drop in milk production—give cheaper beef gains too. You can put your hay up in bales, chopped or long, dry and self-feed it satisfactorily in a Quonset.

See your Quonset dealer today about a money-making Quonset for hay drying, storage and self-feeding.

Quonset buildings are easily financed through the Quonset Purchase Plan.

Alvin Van Zuiden, Chadwick, Illinois, puts down baled hay in this two-story Quonset dairy barn. Safe, convenient hay storage saves him time and labor.

80 tons of baled hay and a winter's bedding supply are stored in this 40 x 100 Quonset loose-housing barn on this Muncie, Indiana, farm owned by Walter H. Fisher.

GREAT LAKES STEEL CORPORATION
Stran-Steel Division, Ecorse, Detroit 29, Mich.
NATIONAL STEEL CORPORATION

GREAT LAKES STEEL CORP., Stran-Steel Div., Ecorse, Detroit 29, Mich.
Please send me the latest literature on Quonsets for farm service buildings and the name and address of my nearest Quonset dealer.
Name
Address
City or County State 25

TWO heads are better than ONE...

FARM FOR BIGGER HARVESTS THIS MM WAY!

Get more out of "BARNYARD GOLD" with your

LS-300 SPREADER

Manure *does* more . . . for your land, for your crops, when you spread with the Minneapolis-Moline LS-300 Spreader. It's thoroughly shredded, distributed evenly, at the rate you want. Loading is easier, too, with this lowest-built spreader in the 75-80 bushel size.

Fewer stops . . . cleaner fields with your

HI-KLEARANCE PLOW

Plowing becomes a fast, non-stop job this MM Hi-Klearance way! Plow as deep as you want, and still clear the heaviest trash. Pick the size you need, from 2 to 5 bottoms. Save real dollars with MM's new 4-part replaceable bottoms. *Most advanced plow-bottom made.*

Harrow perfect seedbeds with your

MM DISC HARROW

You cut cleanly through trash, stubble and clods, mulch the soil to a perfect seedbed with this MM Tandem Disc Harrow. Full 7-inch spacing between discs gives you a wider cut . . . faster work. You angle discs with MM Uni-Matic power, take short turns without gouging.

NEW WHEEL-TYPE UO HARROW

Sow for bumper yields with a

MOLINE-MONITOR DRILL

You couldn't match the precision of a Moline-Monitor Grain Drill if you placed every seed by hand. You get this same pin-point accuracy with every seed from flax to soybeans—never have to buy special seed gates. Select either MM Fluted or Double Run feeds. Single or double-disc and other types—drills for every need.

FREE! *See your MM Dealer now, before the spring rush starts, or write direct for free illustrated folders.*

MINNEAPOLIS-MOLINE
MINNEAPOLIS 1, MINNESOTA

NEW WORLD CHAMPIONS!
MM Uni-Huskers placed 1st, 2nd and 3rd in 1954 International Mechanical Corn Picking Contest.

Save work on income tax

Jack Miller, Iowa legislator, would compute state tax from U.S. figures

WHY can't one set of figures do for both state and U. S. income tax returns? Let the difference be in the rate of tax.

Folks who live in Iowa, Minnesota and Missouri would benefit from such a change. Their states have income tax laws.

An Iowa legislator says state income tax forms can be simplified and based on figures in the federal return. Then the Iowa return would be little bigger than a post card.

The legislator who would simplify state income tax returns is tax-expert Jack Miller, representative from Woodbury county. He is also the author of Farmers Tax Saver and account book described at the bottom of this page.

Miller and a group of representatives have already got their income tax simplification bill thru the Iowa House. If the Senate approves, and the governor signs the bill, here's the way you would make your state, tax return:

1. You would begin with the "adjusted gross income" figure on your U.S. income tax return.

2. You would adjust this figure by subtracting any interest reported on government bonds. And by adding any interest received on municipal bonds.

3. Then you'd subtract your federal income tax. The result could be called net income.

4. For personal deductions, you could subtract five percent of the net but not to exceed $250. Or, in lieu of this deduction, you could deduct page three items on your federal return, except state income tax.

Then with this total you would compute your state income tax just as you do now. No changes in tax rates or personal deductions from computed tax.

What would this change do besides making the return simple and easy to make out?

It would make capital gains taxable and capital losses deductible. It would allow farmers to deduct costs of soil and water conservation.

It would allow farmers the same fast depreciation as under the new U.S. rules. Five-year amortization of grain bins and cribs would be allowed.

Sales of dairy and breeding stock would come under the capital assets rule with only one-half of profits taxable.

Miller says the new law would be a trouble-saver and a producer of extra revenue which the state needs. The extra collections from capital gains would much more than balance the extra deductions allowed for expenses and depreciation.

Our New Record Book

Saves Taxes, Time and Money

Jack Miller is the author of the "Farmers Tax Saver." Mr. Miller is a tax specialist with law offices in Sioux City, Iowa, and Omaha, Nebraska. He has been with the Internal Revenue Bureau. And is past chairman of the American Bar Association's Committee on Tax Problems of Farmers.

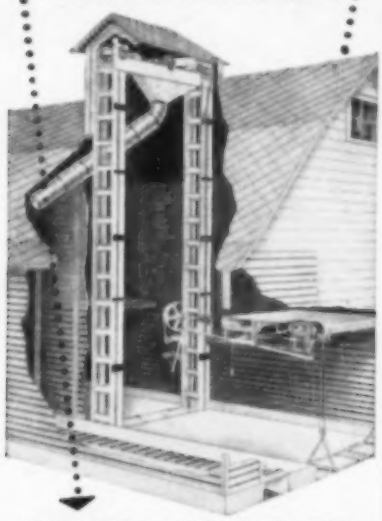
HERE'S HOW FARMERS TAX SAVER CAN HELP YOU

1. **Provides 22 pages for writing down farm receipts and expenses. Special sections for information required in new tax law.**
2. **Tells you what's taxable, what's deductible. Over 40 pages of income tax explanations.**

AND HERE'S HOW YOU CAN GET YOUR COPY OF FARMERS INCOME TAX SAVER

Send $1 to Income Tax Editor, Wallaces' Farmer and Iowa Homestead, 1912 Grand Avenue, Des Moines, Iowa. Order today. Your copy will be mailed postage free.

MEYER
BUCKET ELEVATORS



CORNBELT LEADER SINCE 1908!
Meyer Bucket Elevators are still serving dependably . . . even after over 45 years! Smooth-running, bind-free design with no short curves. Handles 50 bu. corn or small grain in 3 min. Anti-friction bearings for lifetime service. 7 styles to choose from. **Malleable** or **roller** chain. Exclusive heavy-duty run-in-oil reversible truck and wagon hoist. *Write Today!*

FREE Crib Plans and Catalog show why MEYER Elevators are Lowest-Cost-Per-Year to own.

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MAKERS OF FAMOUS MEYER PORTABLE ELEVATORS

RID YOUR CATTLE OF COSTLY STOCK-PESTS
KILL STOCK PESTS

Mange Mites, Lice, Ticks And Flies
ONLY $18.75 Why Pay More?

"LOW COST" Automatic
Cattle King OILERS

Cattle treat themselves. Rub insecticide all over. Apply it where and when needed. Improved, new-type roller applicator gets real results at really low cost. Roller is "spring encased" for longer wear and greater "scratch-ability". Easy to fill with patented filler magazine. Easy to install! No pulleys or weights. Attaches to any post.

Recommended INSECTICIDE CONCENTRATE
FARMAN *"Triple XXX"*
ROTENOX

Mixes 1 to 20 with #2 fuel oil, diesel oil or petroleum distillate for use in cattle oilers. Mixes 1 to 160 with water to spray for grubs, lice, ticks and Sarcoptic Mange Mites . . . only $12.75 per gal.

COMBINATION OFFER!
Order 1 Gal. of Rotenox with each Cattle King Oiler ordered. Send check with order, and get both for only $31.50, parcel post prepaid. C.O.D. plus postage, if you prefer. Write - - -
BOTH For Only $31.50 Post Paid

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SOMETHING NEW IN DISC TRANSPORTS

One minute to attach.
High Speed. High Clearance.
15" Rims.
Write for literature.
MOOERS MANUFACTURING CO.
Windom, Minnesota

Outside stuff

I STARTED asking questions when I noticed a big crawler-type tractor and bulldozer in the machine shed on the Leland Romig farm in Cass county, Iowa.

"How do you justify that kind of a machine on a medium-sized farm?" I asked.

"Well I'm going to plant corn this year on 25 acres that I reclaimed with that bulldozer," came the reply. "It was gullied so badly that I couldn't farm it when I bought the place in 1949." Romig has been growing legumes and bromegrass on the field since filling gullies four years ago.

As for the bulldozer, Romig bought it second-hand when he was faced with the big land-leveling job. At the time, he expected to re-sell it. But he found so many uses for the machine that he has kept it. In wet years, for example, the crawler-type tractor has pulled a forage harvester for Romig when other tractors mired down.

• • •

LAST year, I recall seeing southern Iowa farmers disking and plowing in February. But none of that this year. In fact, nobody had given field work more than a thought by March 1.

But there's more moisture in the soil this year. And I would guess that most farmers consider the extra moisture more important than a few day's work in February.

Melting snow put some welcome water in farm ponds across southwestern Iowa. Farmers in that area had to put up with a lot of snow last winter.

• • •

"A WELDER isn't a luxury anymore," declares a veteran Dallas county, Iowa, farmer. In fact, he thinks that the beginning farmer should put a welding outfit pretty high on his equipment priority list.

It'll help you get the job done with older machinery and a lower machinery investment, he points out. Equipped with a welder, you can make quick repairs and keep older machinery in the fields when it's needed most.—Dave Bryant.

"Oh dear, you and Mr. Cleaver have had another argument about that fence."

Peebles'
PIG FARE
Pelleted Sow's Milk Replacer
with Terramycin®

Gets extra nourishment into baby pigs right from the start

PIGS that grow fastest right from the start make the most money . . . because early gains are cheapest. That's why Peebles' Pig Fare in your feeding program helps you make more money.

GIVES PIGS A NUTRITIONAL BOOST when the sow's milk tapers off and pigs are not ready for regular starter. Pig Fare boosts weaning weights as much as 50%, helps weak pigs catch up. Supplies 80% milk nutrients, including bone-building milk minerals.

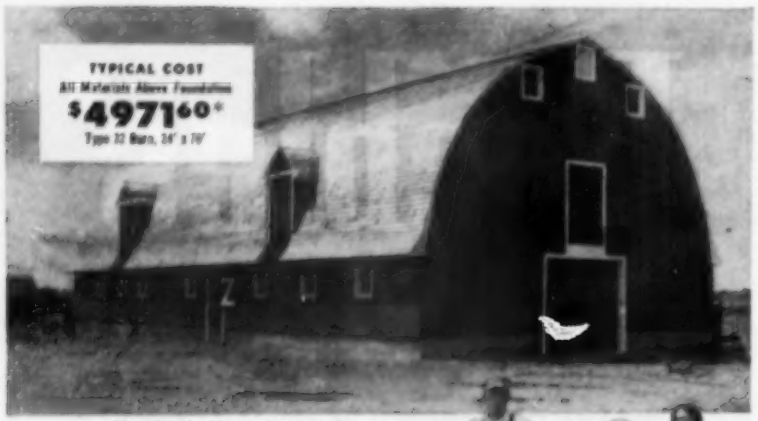
PROMOTES HEALTH, SAVES EXTRA PIGS. Pig Fare gets Terramycin and health-giving minerals into baby pigs when they need this protection most. Helps fight disease. Supplies fat for extra energy in chilly weather.

NO MIXING. JUST FILL THE FEEDER. Pig Fare pellets flow freely in any self-feeder — will not get sticky in damp weather. Get Pig Fare Pellets from your local feed dealer.

Write Appleton, Wis., for Free Folder K-3, "Milk Nutrients for Baby Pigs"

Peebles'
PIG FARE PELLETS
IDEAL FOR BOTH EMERGENCY AND SUPPLEMENT FEEDING

WESTERN CONDENSING COMPANY
Appleton, Wisconsin • Petaluma, California
World's Largest Producer of Whey Products



*Price based on first quality materials, and will vary according to locality.

"My RILCO buildings hold more...cost less!"

Says WALTER BECKER, NORTHROP, MINNESOTA

*Price based on first quality materials, and will vary according to locality.

LOTS OF STORAGE SPACE... means easier, faster farm work—and longer life for machines and equipment. Picture at right shows how Walter Becker uses roomy, post-free interior of his Rilco Type 50 Utility Building.

"We needed a machine shed the worst way," explains Walter Becker, "and believe me, I shopped around plenty before buying our Rilco Utility Building. The saving on labor and bracing material made Rilco the best bargain of all. Then, I found it was the strongest construction I'd ever seen. So when I put up the barn, I again built with Rilco Rafters." Dormers in the side enable him to load in baled hay with an elevator.

Rilco barns, machine sheds, corn crib and granaries, hog and poultry houses are almost half built before you start. Rilco's glued laminated rafters are precision-cut, pre-drilled, ready for instant assembly with the hardware furnished. Three or four men can usually erect the framing in one day.

Rilco Rafters are made of layers of kiln-dried and carefully selected West Coast Douglas Fir bonded together with new type waterproof glues. Look for the Rilco trademark on the rafter... it's a sign of quality. Want our illustrated barn catalog—and information on other buildings? Just mail the coupon below.

For your protection and convenience, sold only through your local lumber dealer.

RILCO GLUED LAMINATED RAFTERS

RILCO LAMINATED PRODUCTS, Inc.
2533 First National Bank Bldg., St. Paul 1, Minn.

● Please send new free Rilco Barn Catalog and information on the following farm buildings:

☐ Two-Story Barns ☐ One-Story Barns ☐ Machine Sheds ☐ Hog and Poultry Houses

Name_____

Address_____

Town_____ State_____

Workday pointers

DELAY IN SEEDING cuts oats yields. Better broadcast the seed if drilling means a week's delay.

▼ ▼ ▼

STORED GRAIN should be checked several times this month and next for moisture content and insect damage.

▼ ▼ ▼

SHARP PLOW SHARES save fuel, plow at even depth and leave a smooth surface.

▼ ▼ ▼

TRACTOR DRIVING can be uncomfortable and monotonous. A cab over the tractor seat will break the cold spring winds. A

radio installed in the cab will provide weather and market reports, and perhaps make the hours seem shorter.

▼ ▼ ▼

SHORT OF PASTURE for this year? Rotational grazing will make each acre support more animals. Use electric fence to divide pasture.

▼ ▼ ▼

TWO CHICKS per square foot is brooder house capacity at one day old. Each chick should have one inch of feeder space.

▼ ▼ ▼

LAST DAY for paying first installment of Iowa property taxes without penalty is March 31.

▼ ▼ ▼

USE THE HARROW or roller, not the disk, when covering legume or grass seed. At two inches deep, hardly any seed comes up. One-half inch deep is just right.

▼ ▼ ▼

CLEAN SEED makes it possible to sow oats evenly and accurately. Treated seed oats is insurance against smut and other diseases.

▼ ▼ ▼

CHICKS get off to a fast start with brooding temperature at 86 degrees. But after five weeks, chicks gain most rapidly at about 67 degrees. Tests were made at the USDA Research Center at Beltsville, Md.

▼ ▼ ▼

HOW MUCH ROOM do young pigs need? Six square feet each at one to five weeks of age, says Gordon Ashton of Iowa State College. At five to eight weeks, eight square feet each. Crowding checks gains.

▼ ▼ ▼

PRICE DOCKS may be saved by guarding stored grain against rats, mice, birds, and farm poultry. Federal authorities have been threatening to crack down on dirty food grain for several years. They might do it any time.

HOLD WOOL until April 1 to take advantage of government wool payments direct to grower.

▼ ▼ ▼

EAR-MARKING pigs by individual and by litter is worth the trouble. You can spot the good-doing barrows in the fattening yard and keep their sisters for breeding purposes.

▼ ▼ ▼

CROWD the field work as soon as spring opens up. Most odd jobs can be done in the frequent spring wet spells.

▼ ▼ ▼

PHOSPHATE fertilizer stimulates legume seeding on most soils.

▼ ▼ ▼

IF OATS FIELDS have Canada thistles in them, you'll have to spray or mow infested areas before oats are ripe. Spraying works fine if there's no legume seeding. You may have to mow if you want to destroy weed seed and save clover alfalfa.

▼ ▼ ▼

GRASS SEED for waterways should have no sweet clover or other legume seed in it. Let waterways get sod-bound.

▼ ▼ ▼

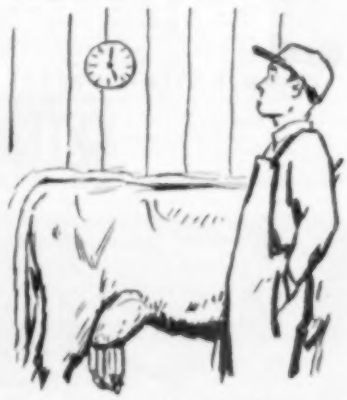
BIRDSFOOT TREFOIL is a legume that has not been known to cause bloating. But it's a slow starter, and not suitable for short rotations. Its place is really as the legume in legume-grass mixtures.

▼ ▼ ▼

SOIL TESTS make it possible to balance plant food elements according to the needs of a particular crop. It's the proper balance between nitrogen, phosphate and potash that makes big yield increases.

▼ ▼ ▼

DAIRYMEN should be clock watchers, says Leander Menke, Kossuth county, Iowa. Most cows will milk out in four min-



utes, and very few require more than six minutes. Extra time is harmful.

▼ ▼ ▼

TOPPING TREES is not advised, says Margherita Tarr, landscape architect at Iowa State College. Grub them out if in poor condition or badly located. Topping results in bushy growth which makes a harbor for undesirable birds.

▼ ▼ ▼

EARLY WEANED pigs do best in small groups. Ten or 12 is considered about the top limit. Pigs may do even better with six or eight in a pen.

Armour and Company's 1954 Report to Agriculture

Better plants to process your livestock

The fields, the fences, the barn and other buildings of your farm or ranch may look just about the same today as they did some years ago, but we all know that many changes have taken place. New equipment, new methods, better livestock and better strains of grass and grain have brought about tremendous improvements in your business.

It is the same with Armour and Company. Big improvements have been made in the 34 Armour plants which convert your livestock into fresh meats, cured meats, smoked meats, canned meats, sausage, lard and other important foods. While our plants have not changed much on the outside, a revolution has been going on inside. We, too, are doing almost everything differently—and better—than we used to. There have been many important improvements in packinghouse machinery and methods, and in the ways that we make, package and distribute our products.

Our continuing program for improving our facilities at all plants reached a high point in 1954, with the announcement of a plan for modernizing the Chicago plant at a cost of about $10,000,000.

In Chicago, practically every operation concerning pork and some of our beef operations will be relocated and streamlined to give us a more efficient plant. As an example, our new sausage kitchen alone cost nearly $1,000,000. As additional improvements, we have installed or will install hundreds of new machines and equipment for cutting, curing, handling and packaging meat products. The old four-story smokehouses are to be replaced with modern stainless steel smoking rooms that will turn out even finer Armour Star Hams and Bacon than we have ever produced before.

Refrigeration is a highly important and expensive part of meat packing. Everything must be kept cold, and different temperatures in the various processing steps are necessary for successful results. These temperatures range all the way from 40 degrees *below* zero in blast freezers to an "air-conditioned" 55 degrees *above* zero in some processing rooms. Much is being accomplished at the Chicago plant to improve our refrigeration facilities, including the construction of huge refrigerated loading docks so that all products will be kept at the correct temperature—all the way from the plant to your dealer's store.

Where meat is handled, the big rooms must be kept scrupulously clean and we are installing acres of new white tile walls and watertight brick floors that can be washed down with steam-hot water.

From the pictures included in this Report to Agriculture you will get an idea of the progress being made. Similar improvements have been made or are planned for Armour establishments in cities near your home.

The Armour improvement program is solid evidence of our faith in the future of the livestock and meat business. We Americans are going to need more food, and the food Americans want most is meat. *You* raise the cattle, hogs and sheep. *We* will see that every single animal is used for the greatest possible good of all.

ARMOUR AND COMPANY

President and
Chairman of the Board

How Armour and Comp

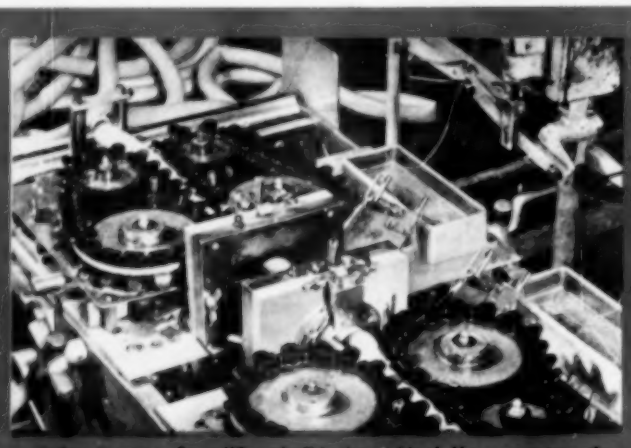
in a better future for Am

As you can see from these picture-stories, 1954 was a busy and progress-filled year at Armour and Company.

While the examples illustrated here show operations only at our Chicago plant, they are typical of the modernization accomplished and projected for the 34 Armour and Company plants throughout the country . . . in which we will invest many millions of dollars.

From meat "on the hoof" to meat ready for the table, we have taken a new approach toward streamlining and improving practically every processing operation in our plants, sparing no effort to make Armour products even finer.

Considerable effort, too, has gone into important improvements in our packaging and distribution facilities. From every point of view, the new Armour and Company modernization program is moving ahead to meet the challenge of the future . . . and to build a *better* future for the livestock producers of our nation.



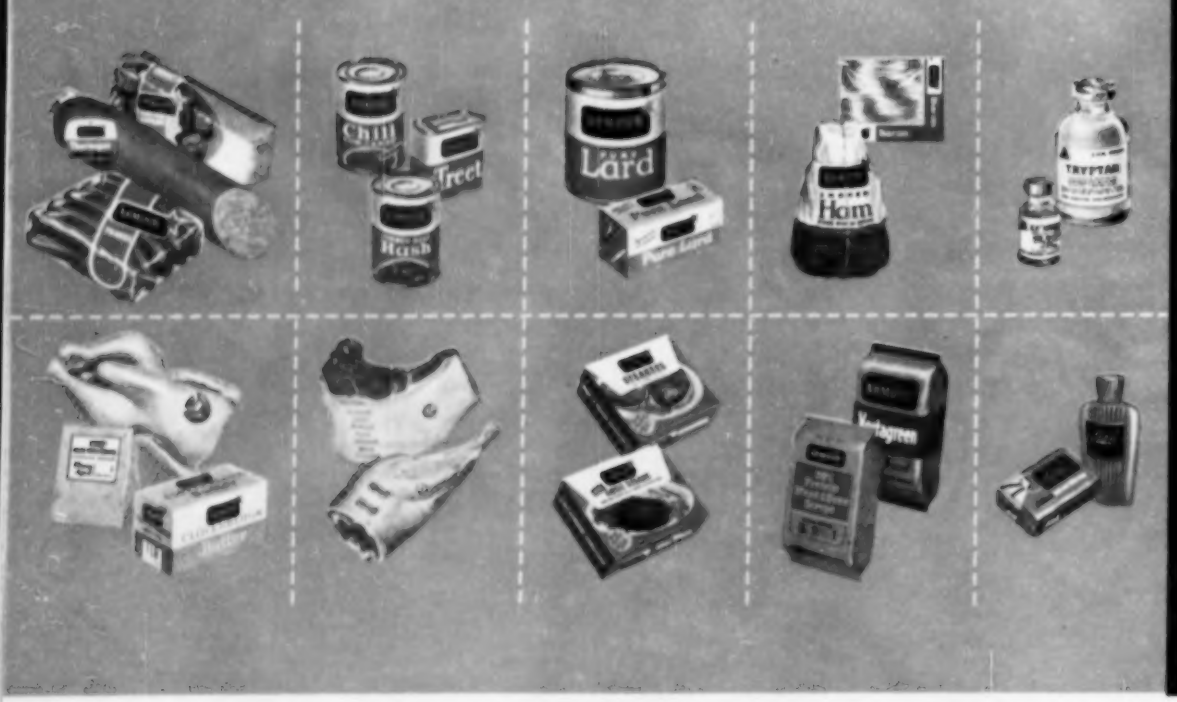
Juicy Armour Star "Franks" in the making! Here an automatic linking machine ties cellulose-enclosed "skinless" frankfurters into uniform lengths before being cooked, chilled, and skinned.

Firing up the Smoke Genera ture-and-humidity-controlled improvement over the old wa produces better hams and ba

New Refrigerated Loading Dock at Chicago plant is completely enclosed and can load 8 giant transport trucks simultaneously. Canvas curtains seal in cool air at each doorway, protect meat and other perishable products from refrigerated dock to refrigerated truck.

Here a mechanical hoist lowers them into hopper on Laborious and costly hand wo

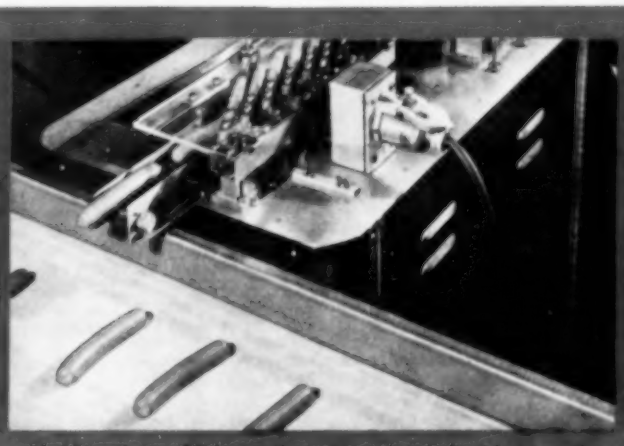
Famous Armour Products



NE

any is investing millions
erica's livestock producers

of a new stainless steel, tempera-
ehouse. This new method, a vast
maintaining a fire at the bottom,



Making them skinless. Here, an automatic frankfurter peeler removes cellulose casings from sausages. Linked franks with skins are moved through machine that takes off skins, separates franks, drops them on endless belt for packaging.

Keep it fresh from the plant to the consumer's house is the idea behind the vacuum packaging of sliced luncheon meats. This modern installation is an important feature of the Chicago plant's new sausage kitchen.

ses big vat of cured hams and
ir way to the new smokehouses.
eliminated.

Giant Hammer Mills grind incoming raw materials at new Chicago plant for grinding and mixing livestock and poultry feed supplements. Plant contains more than 1,000,000 cubic feet of space, can process 50 tons of feed supplements per hour.

Full Speed Ahead is the order of the day on the construction of new steel bridge at Building No. 5 of the Chicago plant. When completed, bridge will have an automatic conveyor that will transport chilled hog carcasses to the cutting departments.

W ARMOUR PRODUCTS

Better Armour facilities mean better Armour products

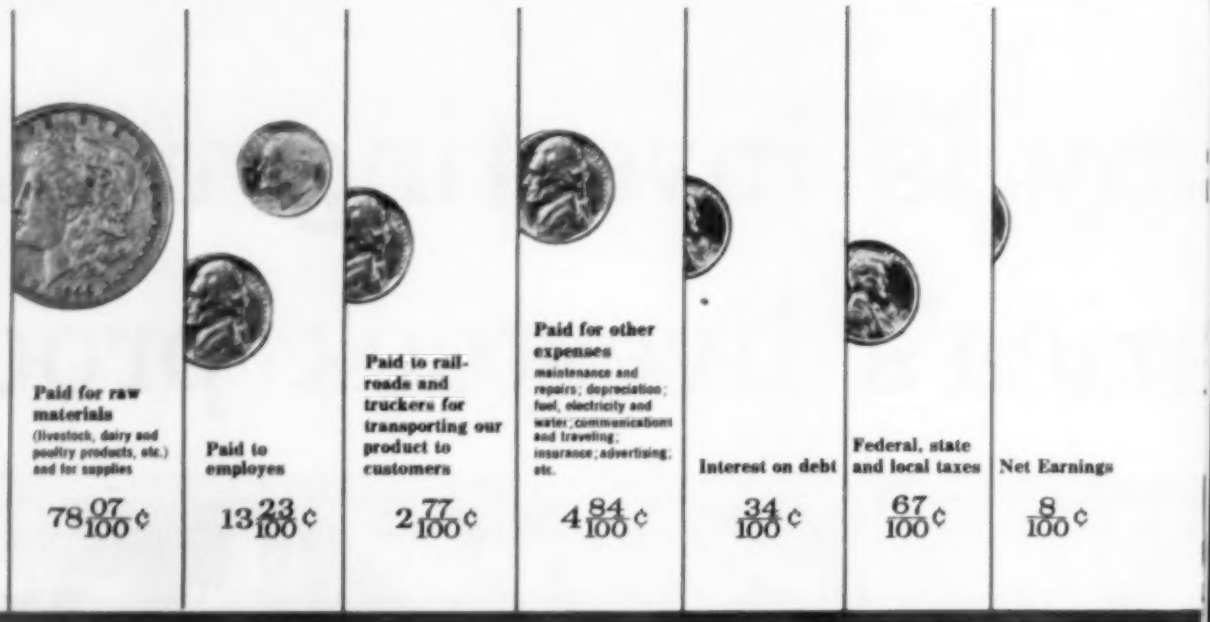
1954 saw the introduction of new and even finer varieties of Armour food products. We introduced Breakfast Beef, several different sausage products and cheese products, corned beef especially packaged for self-service merchandising—and many other Armour Star foods.

You may be sure that our continuing policy of new and finer Armour products for consumers means an ever-expanding demand for your livestock.

How Armour Dollars were spent in 1954

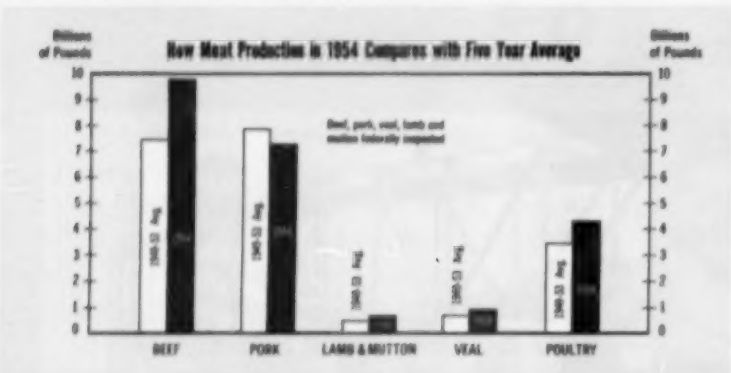
After paying out more than 78% of the $2,056,149,000 of our total income in 1954 for livestock, other raw materials and supplies, we had less than 22% left for all other expenses and profit. Payments to employes took 13%; freight 3%; maintenance, repairs, depreciation, fuel, water, insurance, advertising, etc., nearly 5%, and taxes 2/3 of one per cent. We paid 1/3 of one per cent in interest and had only 8/100 of one per cent for profit.

1954 was a bad year for us financially, but even in our best years, our profits are extremely low in relation to the prices of livestock and meat.



1954 Greatest meat-eating year in history

Meat Picture for 1954. Meat in abundance—that's the story for our fiscal year which ended with October, 1954. Total supplies reached an all-time high. Estimated beef production under Federal inspection topped all previous years. Commercial poultry production also set a new record. Veal production was up one-third over the five-year (1949-53) average and lamb and mutton ran 17 percent higher. Only pork lagged behind, being down 9 percent compared with the 1949-53 average, but made partial recovery later in the year. Because of this abundant production, per capita consumption of all meats (excluding poultry) reached a near-record high of almost 156 pounds for the calendar year, 1954, and, with poultry included, topped every other year on record.

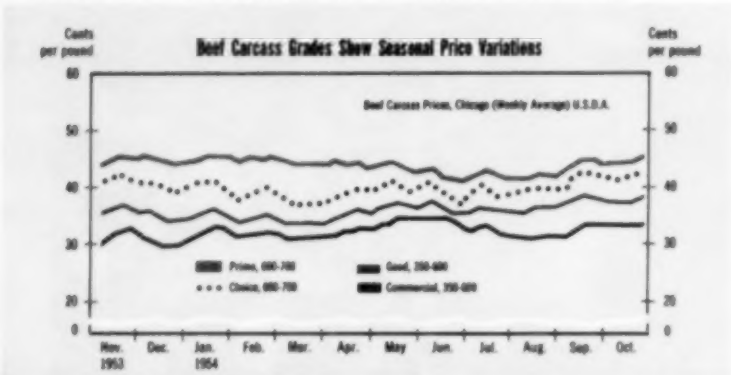


BEEF

The accompanying chart shows the weekly average wholesale prices (Chicago) for steer carcasses by grades. The weekly price differential between Prime and Commercial grades ranged from 6.6 cents per pound for one week in June in contrast to 14.5 cents in December, reflecting seasonal changes in the supply and demand situation.

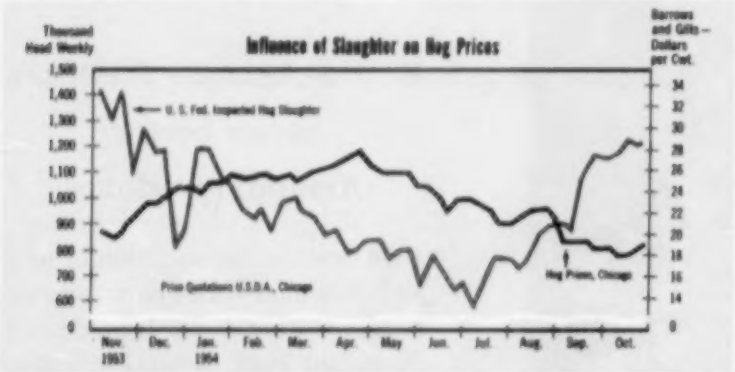
Compared to 1953, prices were more stable, with less fluctuation within any one grade. Price stability, rather than extreme highs or lows, is better for the entire beef industry.

Thanks to vigorous promotion on the part of producer, packer, and retail groups, plus the nation's relative prosperity, consumers eagerly sought our abundant supplies of beef. As in previous years, choice cattle dressing at 500 to 700 pounds were in greatest demand and from all indications, this trend will continue.



Pork Supply Increases After Light Run

An acute decline in hog marketings characterized the 1954 fiscal year. Market prices reached a peak in April (see chart) but maintained a highly profitable level for producers throughout the year. Prices, plus an abundant corn crop, encouraged producers to expand, leading to more pigs and earlier pigs. Spring farrowings were up 13 percent, compared with 1953, and fall farrowings were approximately 16 percent higher. Producers had 21 percent more of their spring pigs come between December and March, and fall farrowings likewise showed a tendency to advance. Earlier farrowing levels off peaks and valleys of hog production, increases processing efficiency and has a stabilizing effect on live hog prices.



Lamb Slaughter Varies Widely

Violent fluctuations in November-January lamb receipts marked the start of Armour and Company's 1954 fiscal year. Then came a heavier and earlier run of spring lambs, followed by a sharp price break and then a substantial recovery. The need for smoothing the supply peaks and valleys was apparent throughout the year. More orderly marketing enables us to keep lamb in a greater number of retail markets and to hold and increase the number of our customers stocking lamb, thus broadening your market. You can help by adjusting your breeding schedules whenever possible—also by topping out your most forward lambs and keeping in touch with your commission men and marketing associations.

The future looks even better...

More efficient producing methods on the farm pay off in an abundance of meat for America—bigger markets for your product.

Constantly improving processing methods at Armour and Company plants keep pace with your progress on the farm—not only with more and finer varieties of meat products but also in the development of the more than 2,000 different products that Armour makes for the farm, home and industry.

It all adds up to a partnership between the livestock producer and Armour that points to greater prosperity in the years ahead.

ARMOUR AND COMPANY
General Offices • Chicago 9, Illinois

More questions from farmers on

Social security

SOCIAL security is new to most farmers. Next year for the first time, farmers will pay directly into the social security fund.

For years, farmers have been helping the social security program without being eligible for benefits. As President Eisenhower said:

"For years, they (farmers) had been indirectly helping to pay the costs of the social security system. Now, for the first time, our farmers will receive its benefits."

Farmers have had a good many questions about how social security affects them. Following are some of them:

If no federal tax money is used, how have farmers been paying part of the social security costs?

Social security tax increases the cost of manufactured items by two percent of the factory payroll. You pay this two percent thru added cost when you buy the items.

Why do self-employed people have to pay three percent of their net income as social security tax when factory workers only pay two percent of their wages as social security tax?

A factory worker has two percent of his wages, up to $4,200 a year, deducted as social security tax.

His employer adds two percent to this. Therefore the factory worker and his employer pay four percent social security tax. Farm operators pay three percent of their net income, up to $4,200 per year, as social security tax.

If my net income is less than $1,200, which is my allowable deduction on my income tax return, will I still pay the social security tax even tho no income tax is due?

Yes. You will pay social security tax on your net income, if over $400 per year. If your net farm income is less than $400 in a year, no social security tax is paid.

You can take the figure for net farm profit from line 10, form 1040F, Schedule of Farm Income and Expenses.

In filing your income tax return, you may claim $600 exemption for each dependent. But in figuring social security tax you pay three percent of net farm income, before personal exemptions.

My father is 63 and will retire when he is 65. His net income has been above $4,200 per year. If he pays social security tax on the $4,200 for two years and retires, will his monthly benefit be the same as mine will be after I pay it for 27 years when I'll be 65?

Yes. His retirement benefit will be $108.50 per month. When his wife is 65, the two of them will get $162.80 per month. Your benefits will be the same when you are 65.

But if something happens to you after you've paid social security tax for 18 months, your wife and minor children will get a survivor benefit until your youngest child is 18. Then when your wife is 65, she gets a benefit equal to three-fourths your basic benefit.

Younger farmers often overlook the survivor benefits of social security. And survivor benefits may be worth more to your family than retirement benefits.

What do young farmers think about the social security program?

In October, 1954, the Wallace-Homestead Poll asked Iowa farmers of all ages what they thought about being brought under social security. The question asked was:

"All farmers are going to be included in the social security system. Which of the following answers best fits your ideas on the subject?"

The table below shows how they answered:

How Iowa farmers voted on social security

	Age 20-34	Age 35-49	Age 50 up	Total
1. Social security is a wonderful thing. It certainly is time that farmers were included	51%	40%	46%	45%
2. I don't know too much about how it works, but I guess it's a good thing	35	36	33	35
3. I'm against it. Social security is just another step toward socialism	7	14	9	10
4. Undecided	7	10	12	10

Worlds Of Extra Wear.. Extra Comfort!

Oshkosh B'gosh

MATCHED SETS

Your Choice of Three Shirt Styles . .

1 Long sleeve shirt with buttons
2 Long sleeve shirt with snap fasteners
3 Short sleeve, convertible collar shirt with buttons

Designed for action . . . extra breadth and strength across shoulders, extra bend-room at elbows. Full cut pants for freedom in action. Famous Oshkosh B'Gosh quality in workmanship and strong, long wearing Sanforized fabric. Color fast for safe laundering. Assure working comfort on any job—anywhere.

Standard twills, in tan, green, grey, coco, blue and forest.

Fine Cramerton chino combed yarn twills in tan, grey and green.

60 YEARS and still the leader!

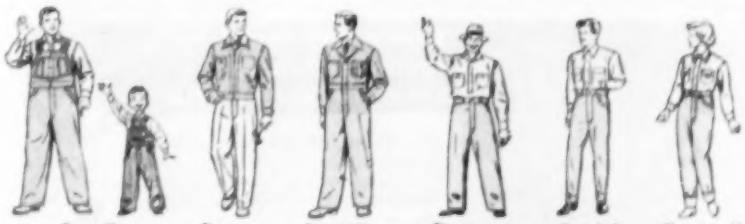
Oshkosh B'Gosh is celebrating its 60th anniversary—60 years of making the "world's best work wear."

As the leader in the field, Oshkosh B'Gosh has always insisted on the finest standards of workmanship, materials and equipment. For this reason a special plant was built for the exclusive manufacture of matched sets. Here, the most modern facilities operated by scientifically trained personnel produce matched sets unequalled anywhere.

Oshkosh B'Gosh on any garment means that you can depend on it to be the finest of its type for wear, fit and comfort.

OSHKOSH B'GOSH, Inc.
Oshkosh, Wisconsin

Featured in leading stores. Write us for your nearest dealer.



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3. Shortens feeding time.
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BUT, what a difference when you add STANDARD concentrates! **You have big, husky, healthy pigs that Grow F-A-S-T! . . . utilize more of the feed they eat! . . . reach market weight quicker, requiring less feed! . . . You Make Larger Profits!**

YOU USE VERY LITTLE: To each ton of home-grown grains, add only 35 lbs. HOG PREPARATION (trace minerals, tonics, conditioners, regulators); 7½ lbs. FEEDING COMPOUND (concentrated vitamins A, D, E and Riboflavin); 10 lbs. SUPER GRO-FAC (vitamin B-12 with Aureomycin, Terramycin, Penicillin and other B-Complex vitamins.

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FREE SAMPLE Mail card for Free Sample of SUPER GRO-FAC, copy of valuable Home Feeders Book, facts about what the Standard Program is doing for many of your neighbors.

STANDARD CHEMICAL MFG. CO., Dept. W-4, Omaha, Nebraska

Voice of the farm

He Wants No More Taxes

To the Editor: Why not more economy instead of more taxes? How much more taxes can the taxpayer pay before he is taxed to death? Could it be as Karl Marx said more than 100 years ago? There is only one way to kill capitalism—by taxes, taxes and more taxes!

. . . The theme seems to be more education, more jobs, more salaries and more taxes. I am not blaming education for the mess we are in. But I say without apology to anyone that education is not getting us out of it.

Are conditions better morally, financially or spiritually with all our taxes and education than they were in our forefathers' day?—Max J. Zapf, Clayton county, Iowa.

Against Closing Rural Schools

To the Editor: As a rural school teacher of many years experience and as a mother of six children . . . I speak with authority and conviction when I say that the closing of all rural schools is not the answer to the school problem of today.

Perhaps it will be the answer when we have larger buildings in towns—or in consolidated areas—and a greater number of qualified teachers. Until then, the children are facing an inadequate program for their needs. Great frustration results for both teachers and pupils when they find themselves in a classroom of 40 or 50 children—without enough room to work in groups on different projects or activities.—Mrs. Frieda K. Ganske, Bremer county, Iowa.

Wants Program With No Supports

To the Editor: My idea for a farm program would be to take off all supports on crops. Instead, make a substantial payment on seeding down land to soil building crops. Make it a rule to seed at least one-fourth the farmer's tillable land each year. If the farmer will plow the green manure down, pay him more than the farmer who wants to cut it for hay. If the farmer does decide to plow it down, do not let him plant anything else on the ground that year.

By having a program like this, we would be building up our soil instead of tearing it down. As it is, the crop acreage is being rationed and the farmer buys fertilizer for his allotted acres and grows as much as he did before . . . The grass program would no doubt increase the numbers of livestock, unless we made a bigger payment for plowing down this grass than cutting it for hay.—Tenant Farmer, Minnesota.

How to Build a Better Fence! EASIER-FASTER-CHEAPER

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ATTACH TO ANY TRACTOR IN 5 MINUTES

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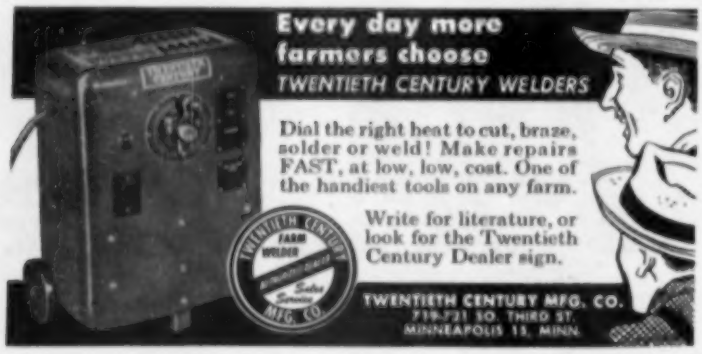

IT SMELLS GRAND

FRESH AND FRAGRANT AS A NORTH WOODS BREEZE

IT PACKS RIGHT

CUT JUST RIGHT TO PACK WITH EASE

IT SMOKES SWEET

COOL AND SMOOTH IT'S SURE TO PLEASE

IT CAN'T BITE!

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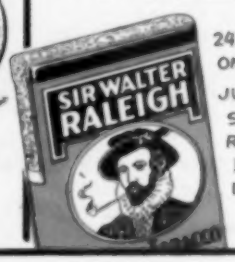
FREE!



24-PAGE BOOKLET ON PIPE CARE. JUST WRITE TO: SIR WALTER RALEIGH, DEPT. 05, LOUISVILLE, KY.

"Thank goodness, the Atkins kid didn't come out today."

Give Communists More Time?

To the Editor: I do not know what is best to do about the communist threat to world peace as far as our relations with them is concerned. But I do know of their plan for world conquest and the methods they are using to accomplish that purpose.

They had only 40,000 followers 35 years ago and now have control of the lives of 800 million people whose children they intend to raise to believe in communism. Then all we need to do if we do not care to pay the price for our freedom is just to give them more time. Yes, give them more time to teach communism to the young people of the world, not only to those back of the Iron Curtain, but to people everywhere who have laid aside God's word.—Lorin Oxley, Muscatine county, Iowa.

Thomas Jefferson said, "Error of opinion may be tolerated, while reason is left free to combat it." Communism hasn't made much of a dent in countries who believe in free speech and who maintain fairly high living standards.—Editor.

"Mighty Good Way To Live"

To the Editor: Let's see you continue your fight for the family-sized farm. It may not be the most efficient way to operate, but it's a mighty good way to live. The farmers and their families have always been the foundation of this country. Let's continue it that way.—Frank Stewart, Winona county, Minn.

Build Soil—Not Surpluses

To the Editor: We have many farmers today concerned with the survival of the family farm. They do not seem to realize that high, rigid price supports on basic crops are a boon to the large scale operator.

The large scale operator cannot compete with the family farm when crops are marketed thru livestock, poultry and dairy products.

High, rigid price supports and the accumulation of surpluses beyond a sensible ever-normal granary program is a practice that cannot be defend from an economic or a moral standpoint. What we need is a program to support soil fertility—not surpluses. Also we need a vigorous sales program both here and abroad.—Francis Miller, Waseca county, Minnesota.

Send Benson To Africa?

To the Editor: I want to compliment Wallaces' Farmer and Iowa Homestead for sticking up for the small farmer. I am glad we have a paper that gives the honest facts.

So far, according to agriculture department reports, the farmer is not getting any help from the president or from Benson. The latest report I saw shows another two percent drop in farm income . . . the best thing that could ever happen to the farmer would be to have Benson given some ambassador's job in Africa.—Ed Herbst, Davison county, South Dakota.

Young Farmer Against Social Security

To the Editor: I am wondering how we got this social security pushed onto us without having anything to say about it. Why wasn't the bill put up to the farmers involved for a vote?

I am sure the older men over 50 are very happy about social security. But we around 30 aren't so very happy in having to "keep" these older people in their retirement.—S.R., Seward county, Nebraska.

Latest survey of Iowa farm opinion by the Wallace-Homestead Poll shows seven percent of farm people aged 20 to 34 against social security. Of those 50 and up, nine percent were against it.—Editor.

Limit Farm Size By Law?

To the Editor: . . . Little farm operators are being crowded out by the hundreds . . . If this keeps up it will destroy our nation . . . Something must be done about it real soon.

We must have a law passed so no one man can own or rent more than 160 acres. Then all will have a chance.—F.A.B., Webster county, Iowa.

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FUNJOL kills germs! FUNJOL dissolves dirt and slime! FUNJOL keeps water pure, fresh and sweet! FUNJOL is the nicest thing that ever happened to the poultry raiser! No more water fountains to clean . . . just put a spoonful of FUNJOL in the water when you fill the fountain . . . next day, "swish" the water around, throw it out, refill . . . that's all there is to it! Gland-O-Lac's FUNJOL is a liquid, not a pill . . . dissolves instantly *without* stirring . . . won't stain hands or equipment!

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A healthy cow produces more milk . . . is better able to drop a healthy calf . . . and makes more money for you.

To *insure* good health, you should be feeding your cows Morton Trace Mineralized Salt.

Morton T-M Salt provides the sodium and chlorine your livestock must have, plus adequate amounts of vital trace minerals: iodine, cobalt, copper, iron, zinc, and manganese.

Most farm land lacks one or more of these essential trace minerals. Lack of any one can cause poor health . . . unsatisfactory reproduction . . . greatly reduced milk production.

Feeding trace minerals with salt is the surest, most economical way to guarantee an adequate supply. Morton Trace Mineralized Salt is inexpensive. All animals like it, will eat it readily every day. When they do, they get the salt they crave, plus the trace minerals they need.

To assure proper mineral balance, build your mineral feeding program around Morton T-M Salt. It's essential to a sound, economical mineral program—whether or not you feed a major mineral supplement. Its cost is so slight—the protection it offers so valuable—it is the only kind you should use.

Just be sure to feed it to your animals free choice. You know they need it. They know how much.

MORTON T-M SALT *Trace Mineralized Salt*

AT YOUR FEED DEALER'S IN BAGS AND BLOCKS

SAVE YOUR LIFE!

Kerosene and other fuels are always dangerous when you bring them near a fire. Delbert Walters forgot that one cold morning. Only names have been changed in the true story below reported by Norval J. Wardle, Iowa State College safety specialist.

"DELBERT, Delbert. Get out of that bed. It's getting late," it was Delbert's father, Frank Walters, calling his 16-year-old boy. He had stopped at the door of his boy's bedroom.

"Uh, huh," the voice was smothered and indistinct as it came from the depths of the bedding where Delbert always snuggled.

"Come on now. You'll have to hurry if you are to be ready by the time the school bus arrives," his father said as he started down the stairs.

Delbert managed to roll out of bed and get into his clothes. He was soon out in the brisk morning air.

"Well, I see you're finally awake," his father joked as Delbert stepped into the barn.

"Yes, at least with one eye," answered Delbert. They always had a good time kidding each other.

"Say, you'd better put some more fuel in the water heater. I noticed it was getting low when I was out there a minute ago," Frank told his son.

"O.K., then. I'll help you finish the milking," Delbert told him.

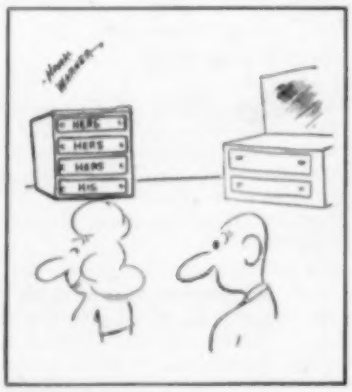
The boy went to the fuel shed back of the machine shed and was soon coming back with a can of kerosene.

As he got to the water tank, he noticed the kerosene heater was still burning. He removed the tank cap and started to pour it in as he thought that he should have brought a funnel. A little kerosene spilled down over the burner. Then—

"Dad! Dad! Dad!!" Delbert screamed as he turned into a veritable ball of flame.

Yes, Delbert was burned. He didn't go on the bus that morning. His father rushed him to the hospital. The burns, however, were not very severe as his father had dashed out and thrown a bucket of milk on him and Delbert had jumped into the water tank.

Never fill a kerosene burner tank while the flame is burning or the burner hot. Kerosene vaporizes easily and burns quickly and fiercely.



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Interviewers for Wallace-Homestead Poll in conference at Des Moines. First row, left to right, Mrs. Claire Johnson of Mitchell county; Mrs. F. P. Collison, Carroll; Mrs. Gertrude Fenimore, Madison; Mrs. Glenn V. Lewis, Harrison; Mrs. E. D. Earwood, Calhoun. At far right, Editor Donald R. Murphy. Middle row, Mrs. Harry L. Riedinger, Jackson county; Mrs. Roger Dyrland, Winneshiek; Mrs. Fred Latare, Jones; Mrs. Homer Lyons, Wright; Mrs. S. C. Bullard, Story; Mrs. Clifford Lawson, Davis; Mrs. F. B. Bunnell, Black Hawk; Mrs. Donald Sands, Louisa. Back row, Mrs. Wayne E. Bumgarner, Franklin county; Mrs. Floyd Dittmer, Clayton; Miss Catherine Heinz, Dubuque; Mrs. Alfred P. Hansen, Muscatine.

Asking questions

When somebody knocks on your door and says: "I'm from the Wallace-Homestead Poll," it is usually a farm woman from your own county.

That's how thousands of farm people are interviewed on their own farms each year for the Poll. The results show what farm folks think about different issues.

Most of the women interviewers for the Wallace-Homestead Poll are shown on this page. They met, as usual, in Des Moines to review methods of handling polls so as to get accurate and impartial results.

A few of these interviewers have been with the Poll ever since it started in 1938. Most have had five years or more experience in the field.

Editor Murphy says: "The accuracy and impartiality of the Wallace-Homestead Poll is largely a product of the good work done by these farm women."

More interviewers at same conference are shown above. First row, left to right, Miss Margaret Noll, Ida county; Mrs. Arthur Hallbauer, O'Brien; Mrs. John S. Judge, Monroe; Mrs. M. W. Boatman, Poweshiek; Mrs. Ralph D. Mann, Jefferson. Middle row: Mrs. Andrew M. Hansen, Kossuth; Mrs. Walter E. Campney, Kossuth; Mrs. Clarence Taeger, Des Moines; Mrs. Chester Philips, Plymouth; Mrs. Ray E. Van Fosson, Page; Mrs. Howard McGuire, Page; Mrs. Walter Wheeler, Iowa; Mrs. Lester Larson, Palo Alto. Third row: Mrs. Stephen H. Fenley, Jr., Lucas; Mrs. Dale Hicks, Webster; Mrs. Raymond Strain, Union; Mrs. D. L. Ginger, Clay; Mrs. Emma Baack, Sioux.

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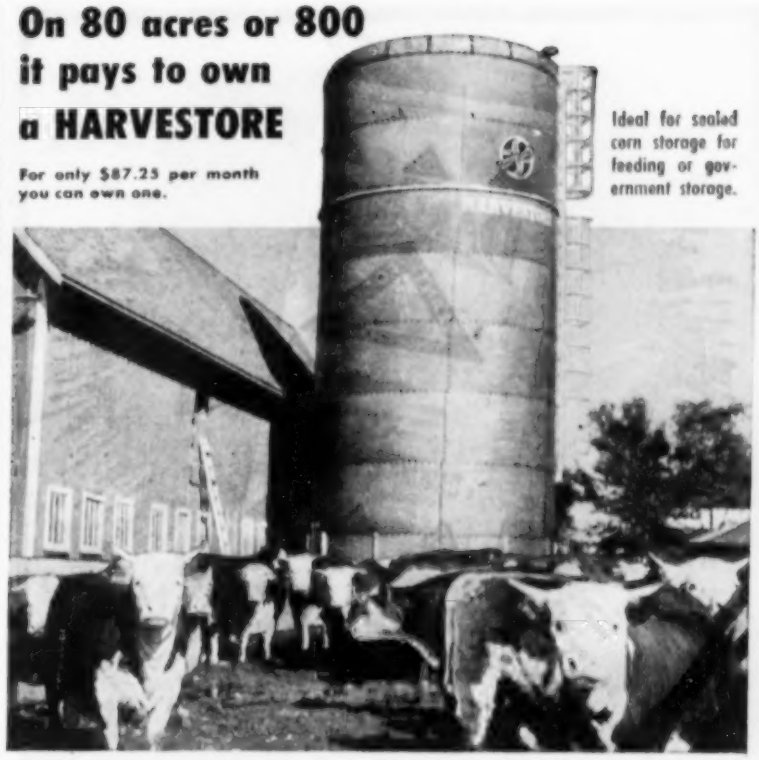
For only $87.25 per month you can own one.

Ideal for sealed corn storage for feeding or government storage.



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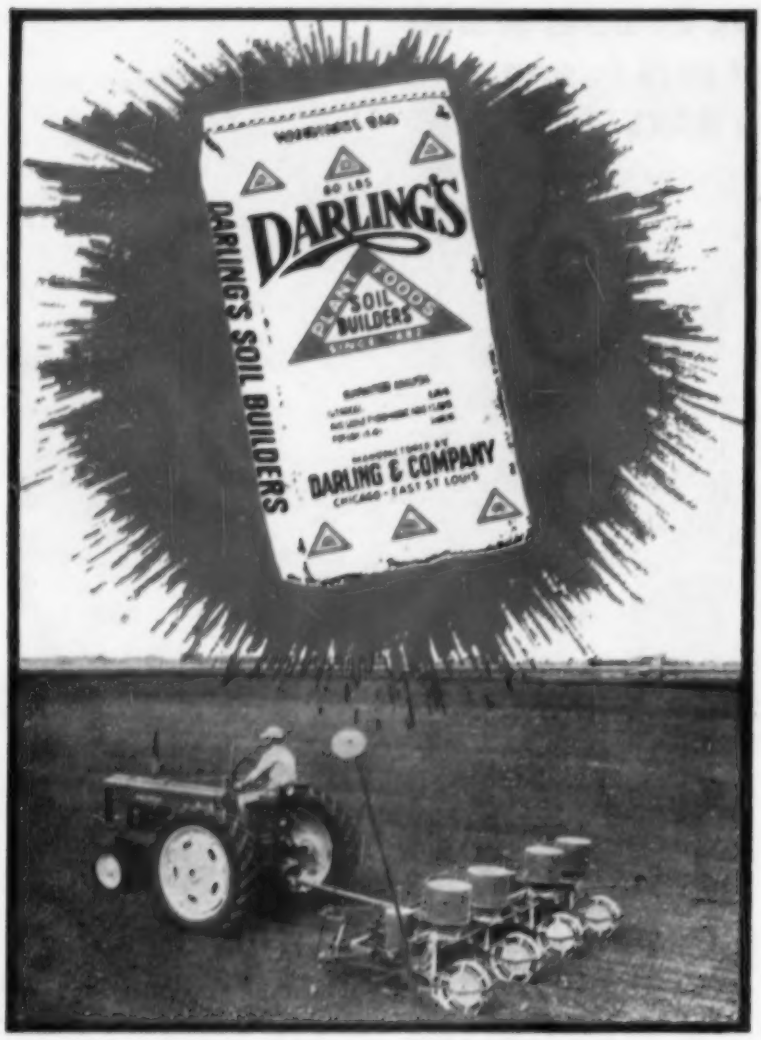

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No!

Our septic tank does not need cleaning

LAST fall a pumping outfit came around, wanting to clean our septic tank.

I turned them down, because I wanted to inspect it first. Being under two feet of dirt, it's something you don't look at every day.

But I did get to worrying enough to start digging for it. Then I discovered I didn't know exactly where it was.

That was lesson number one: I should have had a map or a marker.

We finally found it and uncovered one of the 12 by 48-inch concrete slabs which form the top. What did we find inside?

First, a bubbly surface scum, an inch or two thick. Apparently the organisms that take care of the dissolving process were working.

Next we stuck a board down thru the four feet of liquid to the bottom.

The tank had been in use about nine years, so I expected to find a lot of settlings there. Instead—nothing.

"That should go for 25 years yet without attention", said the man who helped dig it out. (He'd had a lot of experience cleaning septic tanks.) Chances are it will go longer than that, since it is a large tank.

So next time when they come wanting to pump out our septic tank, I can tell them "no" with more assurance. It takes years for settlings to fill a septic tank.

However, sewage systems often do plug up, and you see chemicals advertised to open them. What causes that? It's usually in the tile or seepage bed that takes the liquid away from the septic tank.

Grease and soapsuds from the kitchen sink tend to plug up this seepage. The advertised chemicals are usually something to dissolve that stuff away.

Our septic tank drains into a tile which empties into a ditch out in the pasture. An iron grating at its opening is intended to keep larger animals from getting stuck in the tile.

Also, our kitchen drain bypasses the septic tank, joining this tile beyond it. So if we ever need to treat for grease and soapsuds, we won't have to send the chemical thru the septic tank. No, we don't intend to disturb that septic tank again for a long time.—Wendell Clampitt.

"Now all we gotta do is get him to shoot at us."

CATTLEMEN: KNOEDLER BURR MILL NOW FEEDS ITSELF!

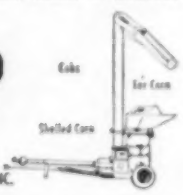
This new conveyor, powered by the mill itself, keeps corn flowing into the hopper at a rate equal to the mill's great capacity! It fits on the hopper, swings with it, travels with the mill. *Below*, conveyor is connected to a crib drag—*providing power for the drag* with addition of sprocket and chain.

The Knoedler Burr Mill is "dual capacity" —grinds up to 50 bushels of ear corn in 10 minutes. Grind is adjustable—always granular and dust-free for complete digestibility by cattle. Conveyor, magnetic hopper, auto wheels, cob burr are optionals.

Write for free literature, sample of Knoedlerized corn and name of nearest dealer.

Knoedler

DUAL CAPACITY BURR MILL



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Dept. 307, Streator, Ill.

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One man with this compact 12-gal. Paragon can *effectively* spray insecticides, weed killers, disinfectants, whitewash, water type sprays, silicone type waterproofing solutions. Latest type spray gun produces mist for wide coverage, or stream 25 feet high. Pump delivers up to 1½ gals. a minute. Low priced. Trouble-free. See your dealer or write for literature on power and hand sprayers.

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IRRIGATES — CIRCULATES — SPRAYS
Submersible! Won't Rust! Won't Clog!
Original Type F—Pump of 1,001 Uses—for farm, garden, farm. Pumps 3,000 GPH. Draws from 25' well. Use 1/6 to ¾ HP motor. Motor coupling included. 1" inlet; ¾" outlet. Stainless steel shaft..... **$7.45**

Heavy-Duty Double-Bearing Pump
Smoother running; longer life. For every need. Pumps 1,400 GPH. Use ⅙ to 1 HP motor. 1¼" inlet; 1" outlet. Submersible, Type H..... **$11.45**
Type XB—Ball-bearing Model **$13.45**
Not submersible: **$6.45**
All Brass Jet Attachment for Shallow to 50' Deep Wells. 50 lbs. pressure.
Postpaid if cash with order.
MONEY BACK GUARANTEE
LABAWOG PUMPS
Belle Mead 63, N. J.

SEARLE *Farm Duty* LUBRICANTS

Open Pollinated CORN MAKES GOOD. Explanation on request.
BURT NEAL & SON MT. VERNON, IOWA

Mailbox ideas...

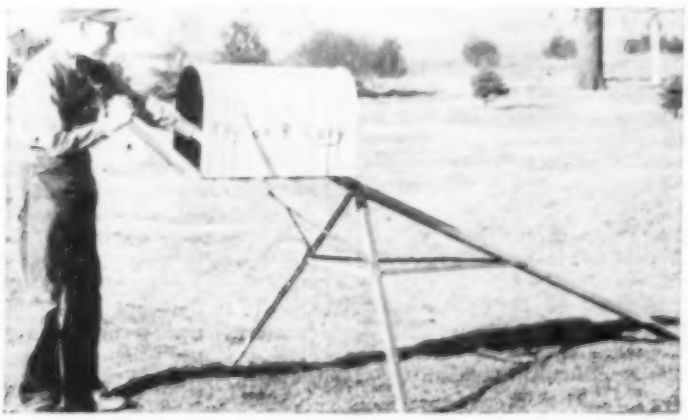
Movable yet sturdy is this mailbox belonging to Lester Wulf, Clinton county, Iowa. Made from two pieces of steel fence post set in a flat, circular disk of cement.

Mailbox on the H. Fuhrmeister farm, Johnson county, Iowa, has a movable concrete base. Short strip of iron is welded across the ends of the "V" to form base for mailbox itself.

Links of log chain welded together hold up mailbox on Dale Darland farm, Poweshiek county, Iowa. Shown are Mrs. Darland and daughter, Bonnie Lou.

Stand of welded pipe holds these two large mailboxes in Wright county, Missouri. Boxes are mounted on 2x2's which are fastened by brackets to the top pipes.

Variation of welded chain design is Fred Hamann's mailbox in Scott county, Iowa.



Angle iron framework supports mailbox on the Byron Cory farm, Henry county, Iowa. At lawn-mowing time, box and stand are easily moved, easily replaced.

Having trouble with Mastitis?

Blast it with the new "4-Barrelled"

TARGOT*

ANTIBIOTIC OINTMENT

At the first sign of bloody, lumpy or stringy milk on your strip cup screen, infuse the infected quarter with TARGOT. Mastitis is caused by many kinds of bacteria and TARGOT combines *four* powerful antibiotics—for a smashing, "4-barrelled" attack on *all* mastitis-causing bacteria. The lighter-than-milk base results in a faster contact of TARGOT with udder tissue for quick, effective treatment.
The tissue is saved and the udder speedily returned to normal.
TARGOT coats udder tissue, does not remain suspended in the milk and so is not withdrawn and lost when the quarter is milked. Available from your veterinarian, druggist or feed dealer.
Write for free literature.

*Trade-Mark †Chlortetracycline

TARGOT COMBINES 4 POWERFUL ANTIBIOTICS:

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AMERICAN Cyanamid COMPANY
PEARL RIVER NEW YORK

HURRY YOUR PIGS NOW...

HIT THE HIGH MARKET SWING!

HERE'S A PROVED WAY TO MAKE EXTRA HOG PROFITS!

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VICTOR PIG STARTER can help you rush your pigs to best market weights EARLY — make important feed cost SAVINGS — and net you extra DOLLARS from a more favorable market. VICTOR PIG STARTER is so appetizing — your pigs will eat all they should have. It's a GREAT pig starter.

Decide NOW to feed your pigs VICTOR PIG STARTER. Then feed the VICTOR hog feeding program all the way to market-time. It's the money-making way! See your VICTOR dealer, TODAY.

FREE THIS HOG PROFIT GUIDE

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THE CRETE MILLS . . . CRETE, NEB.

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Get All-Season protection with New Champlin 5W-20 . . . the toughest motor oil ever built!...flows instantly at 50° below zero yet combats heat like the finest summer grade oil you can buy . . . cleans engines too . . . no more power - robbing carbon deposits or sticky valve lifters.

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Rootworm control was the object when John Davie of Sac county, Iowa, applied two pounds of insecticide per acre ahead of planting last spring. However, there's evidence that such a treatment reduces damage from all soil insects—for two or three years.

The 10 meanest soil insects

They're named, and ranked in order of importance—with methods of control

IT'S easy to overlook damage to crops from soil insects—especially if the damage isn't heavy.

But insect experts at Iowa State College say that soil insects do some damage to your crops every year. And in some years, that damage is quite costly.

Rootworms, for example, have been known to reduce corn yields by as much as 40 percent. Replanting often is necessary when other insects attack seeds or young plants.

But insect control has been moving fast the last few years. And now you don't have to put up with soil insect losses.

This season, there's a chemical control for each of the soil insects that's likely to cause trouble in the western Corn Belt. And the cost is relatively low. Chemical control is cheap insurance.

Some soil insects can be controlled after damage is noticed. But for most soil insects, control is a matter of preventive treatment. The chemical must be applied to the seed or soil before you know how heavy the insect infestation will be.

And there's more and more evidence that you can control all soil insects with soil treatment ahead of planting. Just disk in two or three pounds of a soil insecticide per acre. Tests indicate that kind of a dosage will reduce soil insect damage for two or three years.

What soil insects cause the most trouble in Iowa? They're listed below—in the approximate order of importance—along with Iowa State College recommendations for chemical control.

(1) **Corn rootworm:** You may find this insect in second-year corn. But damage usually is greatest on fields that have been in corn for three or more years in succession—or on old cornfields that have been planted to another crop for only one year.

Aldrin and heptachlor are the preferred insecticides for rootworm control. Chlordane, dieldrin, BHC and lindane also kill rootworms.

Apply the chemical that you decide to use at corn planting time or shortly before. Application rates are one-half pound per acre banded along the row—or one pound per acre broadcasted. BHC and lindane are recommended only for broadcast treatments.

Sprays and insecticide-fertilizer mixes are equally effective. If you broadcast the insecticide, be sure to disk it in or plow it under immediately afterward.

(2) **Black cutworm:** This insect may damage corn on grassy, lowland fields. Watch for cutworm damage when corn is emerging.

As soon as feeding (cut off plants) are noticed, spray with two pounds of toxaphene or one-half pound of dieldrin per acre. You'll get best results by treating plants and soil in a one-foot band along rows.

(3) **Sod webworm:** Corn on grass sod ground may be attacked by webworms. Like the cutworm, the webworm cuts off young plants. Control with the same treatment as for cutworms.

(4) **Glassy cutworm:** Damage is most likely on sod ground planted to corn. Control is the same as for black cutworms and webworms.

(5) **Corn billbug:** This insect may attack corn on timothy or bluegrass sod ground. Damage shows up as rows of small holes eaten across young leaves.

(Continued on next page)

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Suggested List Price **$130.00** f.o.b. factory - 9" auger

Attaching Kits for various tractor models, slight extra cost.

Gears Guaranteed 2 Years or 500 hrs. • Genuine TIMKEN BEARINGS

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The 10 meanest soil insects

(Continued from last page)

To control billbugs, spray corn rows with one and one-half pounds of toxaphene or DDT per acre when damage is noticed. Or soil treatment ahead of planting will prevent billbug damage.

6 **Seed corn beetle:** This insect may attack corn seeds in any field—particularly if spring weather is cool and wet.

To avoid damage, use seed that's treated with four and one-half ounces of 25 percent lindane per bushel—or dieldrin, according to directions on the label. Soil treatment, as for rootworms, also prevents losses from seed corn beetle damage.

7 **Seed corn maggot.** Look for damage from this insect on heavily manured fields planted to corn or soybeans—especially if the season is wet. Control is the same as for the seed corn beetle.

8 **White grub.** This insect may attack corn or soybeans planted on grass sod. Deep, early fall plowing helps avoid grub trouble.

Grubs can be controlled with soil treatment. Before planting, disk in a broadcast application of aldrin or heptachlor at rates of three pounds per acre.

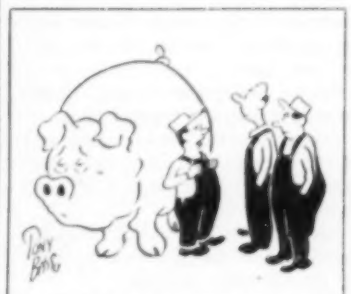
9 **Wireworm.** Damage usually is greatest on wet or poorly drained cornfields. Wireworms may attack the stems of young plants as well as seed corn kernels.

Lindane seed treatment—as for seed corn beetles and maggots—reduces damage from light wireworm infestations. But if you expect a lot of wireworms, better use soil treatment. You can get good wireworm control by doubling the dosages suggested for corn rootworm control.

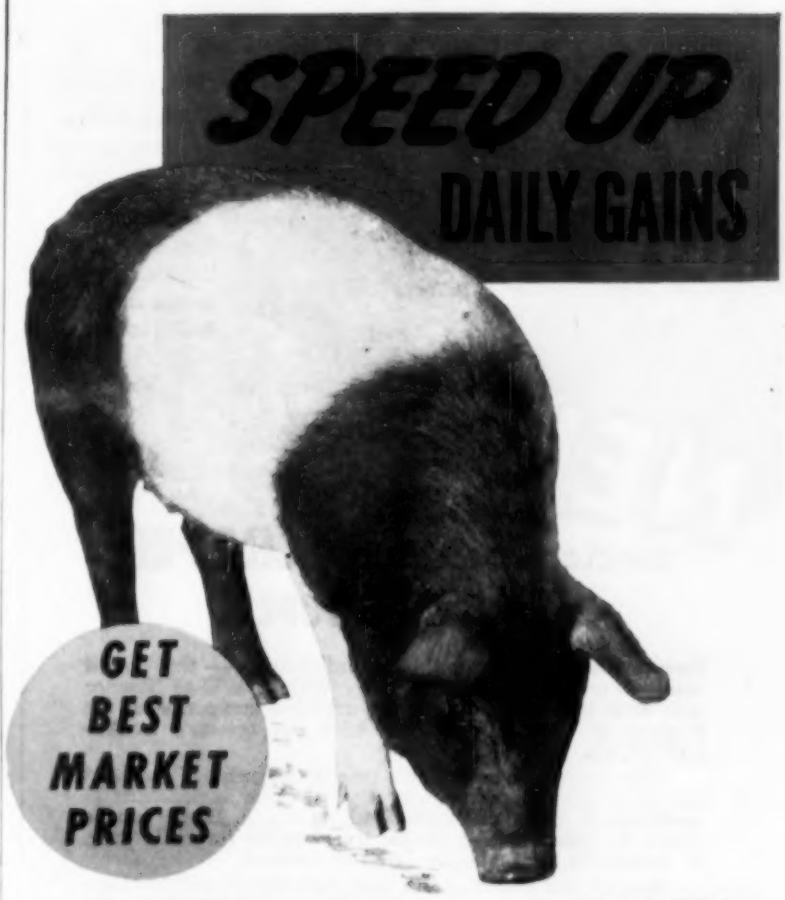
10 **Sweetclover weevil.** This insect eats off leaves of new sweet clover seedings during the month of May. If cropping practices permit, delay seeding until June 15, and avoid new plantings next to second-year sweet clover stands.

To protect new seedings, spray with one and one-half pounds of DDT or one-fourth pound of dieldrin per acre as soon as the new sweet clover plants emerge from the soil.

Other soil insects that sometimes cause damage in Iowa include the cornfield ant, the corn root aphid and the grape colapsis or clover rootworm. Soil treatment, as for rootworms, will control all of them. Or you can control ants with one pound of chlordane per acre sprayed over the rows.



"In due time, gentlemen, I may release it. For now my method is top secret."



A "PROVED WAY" . . . IS TO FEED

VICTOR HOG SUPPLEMENT

If you're going to get peak prices for your hogs . . . you've got to get them to best market weights EARLY. Because hog *prices are up . . . when the supply is down.*

That's why so many money-making hog raisers put their hogs on VICTOR HOG SUPPLEMENT after they hit 35 pounds. Year-after-year records prove VICTOR HOG SUPPLEMENT does the job! Fed with corn, VICTOR HOG SUPPLEMENT is a scientifically *balanced* ration—supplying your hogs with all the nutrients they need in just right amounts to put on fast, quality, low-cost gains. It's easy to feed. Your pigs will love it!

So — plan ahead for best hog profits this year. Feed your pigs VICTOR HOG SUPPLEMENT with corn. Then feed the complete VICTOR hog program all the way to market-time. It's the money-making way. See the VICTOR dealer near you today.

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THE CRETE MILLS **CRETE, NEBRASKA**
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Low-cost earth moving and barnyard cleaning — that's what every owner of an Allis-Chalmers WD or WD-45 Tractor gets with this new 6-ft., tractor-mounted scraper. And it's hitched or unhitched quickly with the tractor's SNAP-COUPLER.

The scraper is easily and quickly adjustable (without use of a wrench) 5 ways: 1. Blade can be angled into 13 positions. 2. Pitch of blade is adjustable. 3. Blade can be tilted, to either side. 4. Blade is reversible for bulldozing. 5. Scraper is hydraulically lifted or lowered.

Scraper has curved, 14-in. high moldboard with replaceable cutting edge. Moldboard can be extended to 9 ft. with two 1½-ft. extensions. End plate attachments are also available to fit either extensions or regular 6-ft. blade.

Ask your Allis-Chalmers dealer about this new scraper or write for free illustrated literature.

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SNAP-COUPLER is an Allis-Chalmers trademark.

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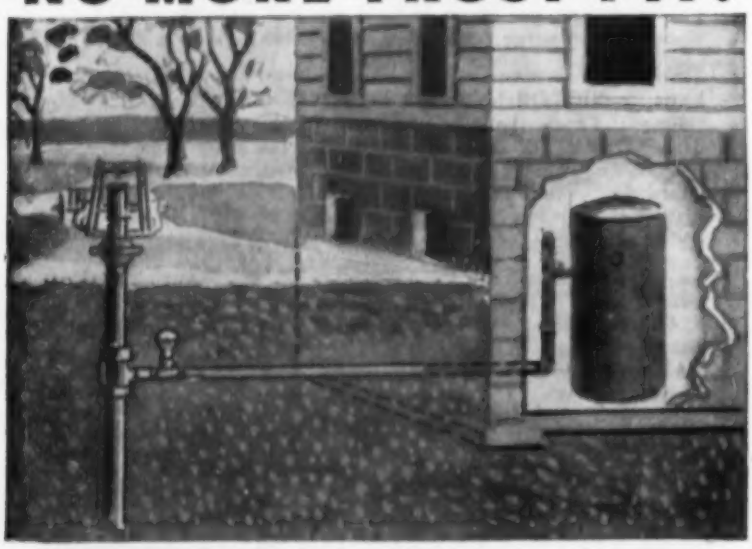

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That's right! The Duplex Pitless Well System eliminates the unsanitary frost pit! It affords complete sanitation and frost proof protection; it brings the well casing above ground; puts the water carrying pipes and discharge opening safely below the frost level; a patented sealing device permits pulling the well working parts when necessary. It makes the frost pit obsolete on the modern farm and gives complete and worry free sanitary water. Meets Grade A milk requirements. Save money – save time! Write for additional information today. DUPLEX MFG. CO., Superior, Wisconsin. Dept. W319.

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"You should hear its stomach growl when it chews its cud."

Add Superphosphate To Save Manure

Save nitrogen in manure, and keep your dairy barn tidied up. Spread superphosphate fertilizer in the gutter and a little distance behind the gutter. Use a half to one pound a day per cow.

Superphosphate works better than lime, advises J. G. Hays, Michigan State College dairyman. The phosphate ties up nitrogen and holds it in the manure.

Lime lets the nitrogen get away. That makes the floor more slippery, too. In addition, most manure is low in phosphate. So the phosphate helps make manure a balanced plant food.

Creep Feed Lambs

Creep feed those early lambs. It'll help you get 'em to market in May or June when average market price is $6 to $8 above late summer and fall.

That's advice from Eugene Francis, sheep specialist at Iowa State College. He suggests this starting ration: Two parts cracked corn, one part rolled oats and one part bran.

As the lambs build up an appetite for grain, a ration of 10 pounds of whole shelled corn to one pound of protein supplement—such as linseed oilmeal—can be substituted for the starting ration. Lambs also should have all the good quality legume hay they'll eat.

Good Milker Pays Her Owner

Level of production makes a big difference in labor and management returns in the dairy business.

Low producing group in Iowa DHIA records averaged 7,536 pounds of milk. Labor and management return was 69 cents an hour.

Group which averaged 9,578 pounds of milk made a labor and management return of one dollar per hour.

Group which averaged 12,380 pounds made $1.76 per hour.

Top producing group averaged 14,227 pounds of milk. Labor and management return there was $2.14 an hour.

Increase in labor and management return was uniform as level of production increased.

Top producing group fed 45 percent more total digestible nutrients than the lowest group. But difference in production amounted to about 70 percent.

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Ask any one of the thousands of midwest farmers who feed Corn King mineral and he'll tell you Corn King tops them all — costs less to feed and gets the results you want and expect. It's the big value mineral at a price that's right. Tested, approved, preferred. Ask for Corn King at your dealers.

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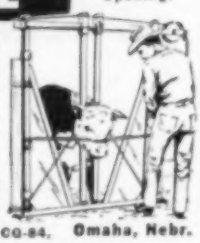
PORTABLE or PERMANENT Installation In Any Opening!

Enables you to quickly restrain and safely hold animals for **inspection, treatment, dehorning, vaccination, ear marking,** etc. Makes cattle handling easier, safer, faster. Every stock farm needs and should have this low-cost stock-holding gate.



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South St. Paul, Minn.

Fifty-nine percent of the farm people of Iowa believe Eisenhower is doing a good job.

Fifteen percent say the same thing about Secretary Benson.

Farmers strong for Ike

But Secretary Benson continues to get plenty of criticism from Iowa farmers

PRESIDENT EISENHOWER is gaining in popularity among Iowa farm people. Secretary Benson is losing a little. That's the picture shown by the Wallace-Homestead Poll.

To the question: "On the whole, what kind of a job do you think President Eisenhower is doing at Washington?" Iowa farm people answered like this in three different years:

	July 1953	July 1954	Feb. 1955
Good	45%	54%	59%
Fair	44	36	35
Poor	5	7	3
Undecided	6	3	3

The president has gained sharply since the summer of 1953, and is a little stronger than last summer. The Formosa incident, prominent in the news when the survey was taken, apparently strengthened him. Many farmers felt Ike was putting in good licks for peace.

A young farm woman in Harrison county declared: "The president is doing a fine job considering all he walked into and all the big problems that he has to deal with."

Another woman in Iowa county commented: "Considering the mess the government was in when he took over, I guess he is doing the best he can."

But a farmer in Winneshiek county said: "He's doing terrible—and besides he plays too much golf." And a renter in Iowa county had this objection: "Ike takes too many vacations."

A farmer in Cherokee county added: "The president would do better if he'd only get rid of that Benson."

A good many farmers shared the views of this Cherokee county man. Secretary Benson continues to be unpopular with Iowa farmers.

Here is the way Iowa farm people answered the question: "On the whole, what kind of a job do you think Ezra T. Benson is doing as secretary of agriculture?"

	July 1953	July 1954	Feb. 1955
Good	17%	18%	15%
Fair	46	44	43
Poor	25	26	27
Undecided	12	12	15

"Benson isn't working for the farmer," said a farm woman in Floyd county. "He's losing money for us."

A cattle feeder in Pottawattamie county declared: "The mess Benson has made of the livestock market spells how good he is."

And a Decatur county man added: "If there is anything lower than 'poor,' put that down as my vote."

A woman in Union county brought up another angle when she said: "I don't approve of Benson's alibis on the Ladejinsky case."

Men and women voted about alike on Benson. Young farmers were a shade more critical than older ones. Folks who voted for Eisenhower in 1952 gave Benson a much better break than the Stevenson voters. The vote by parties on Benson follows:

	Eisenhower Voters, '52	Stevenson Voters, '52
Good	19%	7%
Fair	49	33
Poor	17	49
Undecided	15	11

For a report of Benson's influence on the Iowa senatorial race in 1954, turn to page 40.

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May be applied directly over rusted surfaces!

Many Colors, Aluminum and White

• APPLY DIRECTLY OVER RUSTED SURFACES: Just scrape and wire-brush to remove rust scale and loose particles . . . then apply by brush or spray. No special preparation needed.

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• PROTECTS EVERY RUSTABLE METAL SURFACE: Machinery, implements, fences, metal roofs and buildings, gutters . . . indoors and out.

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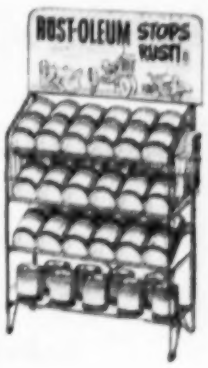

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It may be the recipe for chocolate cake your mother used to bake for birthdays, or it can be the newest recipe in your file.

A cake, carefully assembled, baked and covered with a special icing can be a work of art.

Here are some selected recipes you may want to add to your collection.

FEATHER CAKE

6 egg yolks
½ cup cold water
1½ cups sugar
½ teaspoon vanilla
½ teaspoon orange or lemon extract
1½ cups cake flour
6 egg whites
¾ teaspoon cream of tartar
¼ teaspoon salt

Beat the egg yolks until thick and lemon colored. Add the water, and continue beating until thick. Gradually add the sugar, then the flavoring. Fold in the flour that has been sifted with the salt, a little at a time.

Beat the egg whites until foamy. Add cream of tartar, and beat until they stand in moist peaks. Bake in a moderate oven—350 degrees—in an ungreased tube pan for one hour and ten minutes. Invert to cool.

BAKED ALASKA

For Baked Alaska, use the recipe for sponge cake (above) baked in an oblong pan about nine by 12 inches. Place half of the cake on a board covered with heavy paper. Cut out the center, and fill with brick ice cream. Cover completely with the following meringue: Three egg whites, one-fourth teaspoon salt, six tablespoons sugar. Beat the egg whites until they form moist peaks; add the salt and sugar gradually.

Slip the board, paper, cake and all into a very hot (450 degrees) oven and brown. Serve at once before ice cream has a chance to melt.

BANANA CAKE

½ cup butter
1½ cups sugar
2 eggs, beaten
2 cups sifted flour
½ teaspoon baking powder
¾ teaspoon soda
½ teaspoon salt
¼ cup sour milk
1 cup mashed bananas
1 teaspoon vanilla

Mix all ingredients together. Bake in two eight-inch greased layer cake pans in a moderate oven for about 30 minutes. Let cool. Then fill and top with the following:

1 tablespoon butter
½ cup sugar
1 cup mashed bananas
1 egg

Cream the butter and the sugar. Add the bananas, and bring to a boil over a low fire. Stir constantly. Remove from the heat, and beat in the egg. Return to the fire, and cook until thick. Spread between and over the layers of cake.

CREAMY LEMON CAKE

2 cups sifted flour
2 teaspoons baking powder
¼ teaspoon salt
⅔ cup butter
1⅓ cups sugar
1 teaspoon grated lemon rind
2 whole eggs
2 egg yolks
1 cup milk

Heat the oven to 375 degrees. Sift the flour, baking powder and salt together. Cream the butter and the sugar until well blended. Mix in the grated lemon rind. Add the flour mixture gradually and alternately with the milk. Beat the eggs, and add to the mixture. Bake in two well greased-lightly floured cake pans for 25 minutes. Cool and cover with a cream lemon frosting.

LEMON FROSTING

4 tablespoons softened butter
2½ cups sifted powdered sugar
¼ teaspoon grated lemon rind
2 egg whites
1½ teaspoons fresh or frozen lemon juice

Soften the butter; gradually blend in one cup of sugar and the lemon rind. In a separate bowl, beat the egg whites until they stand in moist peaks. Beat in the remaining sugar. Blend in to the first mixture. Stir in the lemon juice. Cover tops and sides of the lemon cake.

CHOCOLATE FUDGE CAKE

1 cup butter
2¼ cups sugar
1 teaspoon vanilla
4 eggs well beaten
4 squares chocolate (melted)
3 cups sifted cake flour
3 teaspoons baking powder
1 teaspoon salt
1¼ cups milk

Cream the butter, and add the sugar, mixing well. Beat until light and fluffy. Add the vanilla and eggs, and mix well. Add the chocolate to the creamed mixture. Sift the dry ingredients together and add alternately with milk. Mix well and pour into three greased layer cake pans. Bake in a 375 degree oven for 30 minutes. Cool in pans before removing.

Homemaking Today

Edited By ZOE MURPHY

Spring fever . . .

MRS. VERNON WILKINS, Lyon county, Iowa, takes advantage of the first warm day to get out in the yard to do some spring cleaning.

"I like garden work—but . . ."

Farm women tell of their biggest garden problems

IT'S about time to start your garden. How do you feel about it? Do you feel that it is time well spent, or do you think of it as a hard earned back-ache?

Recently a Wallace-Homestead Poll asked several hundred Iowa farm women this question: "What is your biggest problem in growing a garden?"

1. Getting your husband to help with the work?
2. Garden too far from the house?
3. Bugs and diseases?
4. Just too much work.
5. Other reasons.

Farm women, it turns out, don't expect too much help from husbands when it comes to garden work. His part is preparing the ground—the rest is up to the little woman.

Only six percent of the women said they had trouble getting help from their husbands. A young woman, mother of three small children, living in Decatur county, said, "I never felt that my husband had time to help in the garden. So I don't depend on his assistance."

An older woman in Ida county added: "I don't intend my husband should help." (Perhaps he stepped on the seedlings.)

Bugs and diseases are the common enemy of the gardener. Forty percent of the women reported this their biggest problem.

"Weeds and cabbage worms discourage me," a young woman in Winneshiek county said. Another young woman in Iowa county said, "I like working in the garden, but the bugs and grasshoppers are my biggest problem."

Younger women—those in the age group to have small children—complained about the distance of the garden from the house.

"What do you do with the children?" asked a mother of five small boys in Mahaska county. "Take them with you and you have a mess. Lock them in the yard, and they stand there and howl."

A garden is just too much work, say 25 percent of all farm women. "Just to mention a garden brings to my mind memories of back-aches," says a middle-aged wife in Palo Alto county. Another woman in the same county says, "Sometimes I wonder if it's worth all the work we put in."

However, there are women who like to work in the garden. Take the one in Union county who said, "I'm too ambitious. I like the garden, and I always put in more than I can take care of."

And then there are thousands of Iowa farm women who are like the young renter wife in Palo Alto county who said simply, "Why, I love a garden. I can't complain about anything."

We asked: "What is your biggest garden problem?"	Iowa farm women answered:
Getting help from your husband?	6%
Garden too far from house?	10
Bugs and diseases?	40
Too much work?	25
Other reasons?	24

(Some women gave more than one answer. Therefore percentages add up to more than 100.)

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Won first cooking contest over 25 years ago

Schoolteacher Wins 13 Prizes for Her Expert Cooking

Neighbor Mrs. Paul Barnes (left) gets a look over the hedge at Mrs. Charles Powers' prize ribbon. It's one of 12 awards Mrs. Powers won in cooking contests at the Howard County Fair last fall.

Besides caring for her home, Mrs. Powers, of Cresco, Iowa, teaches in the high school, so naturally she's mighty busy and likes to find handier ways of doing things. That's why she uses Fleischmann's Active Dry Yeast. "It's so fast rising," she says. "And convenient—keeps for months."

During Lent—and every season of the year—you're sure to like Fleischmann's Active Dry Yeast as much as Mrs. Powers does. It's dependable, fast rising, easy to use . . . top cooks all over the country say so. It's so convenient, too, keeps for months in your cupboard—always ready when you need it. When *you* bake at home use Fleischmann's Active Dry Yeast—the best yeast you can buy. It comes in handy 3-package strips called "Thrifty Three's." Make sure you get Fleischmann's Active Dry Yeast.

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FREEZER filled with home produced food helps Mrs. Jack Elliot, Ringgold county, Iowa, provide a well balanced diet for her family.

How much protein in your diet?

Make sure you are getting enough to insure good health

ARE you getting enough protein in your diet? You probably see that your children get plenty of meat, poultry, fish, eggs, cheese, milk etc. Your husband sees to it that the hogs and cattle have a balanced ration.

But women are inclined to think of diet for themselves in the form of calories. Too often, they do not balance these calories for their own good health.

Recent studies conducted by Dr. Pearl Swanson, director of home economics research at Iowa State College, show that thousands of Iowa women aren't getting enough protein in their diet to maintain good health.

Studies were made on a scientific cross section of all women of Iowa 30 years of age or older. Thirty-eight percent were getting less than the amount of protein recommended by the National Research Council.

The daily protein requirements, according to the National Research Council, is figured like this: 1 gram of protein for every 2.2 pounds of body weight.

The average height of Iowa women over 30 years of age is about 5 feet 4 inches. Desirable weight for this height, is between 124 and 132 pounds. This makes the daily protein requirement fall between 56 and 60 grams.

Why are we concerned about these women who are not meeting this protein intake standard? Protein is the stuff our bodies are made of. Bodies are continually breaking down. Only protein can rebuild them.

In addition to this, special jobs, important to health, are carried on by special body proteins that are built from food proteins. One of these is hemoglobin, the red coloring in our blood. When there's too little hemoglobin in the blood, you get anemic.

Food proteins build plasma-proteins in the blood. These plasma proteins protect you from shock in case of an accident and make you a good surgical risk. Antibodies that protect us against infection are built from food proteins.

How can you be sure that you are getting at least 50 grams of this life building food a day? You serve meat, fish, poultry, dried peas and beans, eggs, cheese, etc. You probably see to it that your children get their milk requirements.

But the studies show that a lot of Iowa women do not drink milk. And milk, whether it's whole, skim or butter milk, is a rich source of protein.

Here are some food combinations that will give you at least 50 grams of protein a day. Check up and see if you are getting enough for your good health:

One good serving of meat, poultry or fish (¼ pound)—20-25 grams. Two of the following five alternatives (or two servings of one item. Each item provides 6 to 7 grams) . . . . 12 grams.

- **1 egg**
- **½ cup of dried cooked beans or peas**
- **2 tablespoons cottage cheese**
- **1½ tablespoons peanut butter**
- **2 glasses of milk (one 8-ounce glass provides 8 grams) . . . 16 grams**

You see, in order to bring your total up to 50 grams, you almost have to include milk. The milk you get in soup, puddings or ice cream all helps toward this desired total.

The bread, vegetables and fruit you add to these proteins will probably bring the intake to equal or above the desired 60 grams.

However, if your intake of energy foods is too low, the body will burn protein for energy. Then instead of using protein for good health, your body will use it for energy to wash dishes.—Z. M.

PROSPECTIVE CUSTOMERS for a freshly baked pie. Mrs. Edwin Fisher of Greene county, Iowa, with Dennis, five, and Denise, 18 months.

Country air

MIND wanderings from 17th annual National Farm Institute: Wish farmers would chew a straw or not brush all the hayseed out of their hair . . . No way to tell them from bankers, feed and seed dealers, legislators, radio and news men, scientists doing research for farmers and sales men doing selling to farmers.

Young chaps stayed home and did chores . . . They were the ones who should have been here . . . Older men wearing their hayseed mixed with gray at the temples soberly weighing free trade, free world, political implication and foreign policy . . . Sessions not as lively as in times past . . . needed some sort of fight . . . Everyone spoke soothingly and optimistically . . .

Barbara Ward Jackson of the London Economist . . . only speaker to receive standing ovation . . . said we are getting technical aid to less-privileged peoples when we start from where they are . . . better than Communist promises which aren't kept . . . Educational panel paraded the presidents of our three big state schools . . . Why do we wait for population problems to defeat us before we begin? . . . Nobody came up with very good answers.

Mrs. Sayre—great lady of the whole show—she speaks to the point—keeps still at the period and has done some thinking before she tackles either . . . Took tremendous poise to stand at speakers' table while audience rose in silent memorial to her late husband, Raymond Sayre . . . Her problem is like thousands of other women . . . overpowering loneliness creeps in on Sunday afternoons and twilights. . . .

Hotel in need of redecorating . . . maybe their hogs are down to 15 cents too . . . Meals were good . . . We didn't get the ham-escalloped potato - green beans treatment until the last dinner . . . Table conversation at a minimum . . . you ate fast if you expect to get food . . . waiter had to clear before time for speakers to go on the air . . . Two kinds of cheese on every table . . . milk pitchers too . . . all the refills you wanted . . .

Farmer most in need of a shave turned out to be a legislator . . .

Yes, sir! We've got to trade with other peoples. After all, the hundreds of babies here at home won't have teeth to eat all the present surpluses before the surpluses spoil . . . Somebody said not to forget about Africa . . . Give it about three years . . . I don't remember what's to happen but we'd better be watching . . . Dear! Dear! Don't we have our hands full?

About Africa, I just read Pearl Buck's book about it—"Come My Beloved." Not her best book, but it covers three generations of American missionaries of various types. How long it takes us to realize that other people have self-respect, traditions and cultures that have virtues in them as well as ours do.

Best book this winter is Irving Stone's "Love is Eternal" . . . While it presents Mary Todd Lincoln in a new and kindlier light than usual, it gives Lincoln's personality a new perspective too. His awkwardness, his determination to be common, his need for telling stories on himself, grew quite naturally out of poverty, an unloved childhood and shadowy ancestry. The moodiness wasn't always the brooding compassion of greatness.

It was a feeling of insecurity and defeat which turned his thought inward. He would have been a difficult person to live with for anyone who wasn't great enough herself to understand his greatness.—Elizabeth C. Wherry.

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FREE 84-Page Catalog Spring 1955 Order Direct From Ad

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No. 8084. Pretty as a picture yoked dress that uses contrast effectively. Sizes 12, 14, 16, 18, 20; 40, 42. Size 14, 3⅝ yards of 35-inch; ⅝ yard contrast.

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No. 8177. A carefully tailored classic for half-sizers with button detail. Sizes 12½ to 24½. Size 14½, short sleeve, 3⅛ yards of 35-inch.

No. 8124. Soft scallops outline the front closing on a lovely afternoon dress. Sizes 36 to 52. Size 38, short sleeve, 5½ yards of 35-inch.

Patterns are 30 cents each, coin preferred. New Spring and Summer Fashion Book is now ready. It costs 30 cents, too. Address your order to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

HOMEWORK—when it can be done on a new typewriter—isn't so bad. Beverly Merfeld, Buchanan county, Iowa, uses a typewriter to prepare her school work.

Magic ink for invitations

Plan party with invitations written with invisible ink

HERE'S a super idea to try when making invitations for a party. Write with lemon juice and a straight pen on white paper. After the ink dries, all is blank until you iron it with a hot iron. Then the message appears.

You might design the invitations in the shape of a shirt for instance with the instructions written in black ink, "Just iron this shirt with an iron that's hot, and you'll see news of an interesting plot."

Of course, the magic ink idea would also be good for writing secret notes to a pal, or simply as a trick to astound your friends.

Other years, we have written about the travel which is sponsored by the American Youth Hostels, Inc. Once again the literature is ready for trips to be taken this next summer. So now is the time to write, to read, and to dream.

This is low cost travel by bike or by hike, organized both in the United States and abroad. All ages can belong. They can travel in either their own groups or with ready planned tours.

The word hostel simply denotes the overnight accommodation, at a school, camp, church, or in a farm home where members of the AYH member can find supervised lodging for about 75 cents per night.

American Youth Hostels is a non-profit, educational corporation which has been operating for many years to promote inexpensive, outdoor travel both at home and abroad. If you find that your mind is ready to take off, write to American Youth Hostels, Inc., 14 West 8th Street, New York 11, N. Y. Ask for their descriptive folders.

It isn't too early to think of starting garden seeds in the house. Several years ago when we had a contest "How I Made My Summer Pay", one teenager won a prize for this idea.

"Early in the spring I planted tomatoes in cans and kept them in the house until they were ready to set out in the garden."

"The tomatoes started to ripen around the Fourth of July. At that time tomatoes were a good price. I received 10 cents a pound for the first ones I sold. I made approximately $15 from my tomatoes."

"THE STARS AT NOON," Jacqueline Cochran, Atlantic-Little Brown

For girls who love adventure, here is a new book they won't want to miss. It's a glorious tale of a girl born of poverty stricken parents in a Florida backwater, who rose to fame and fortune both in aviation and as a business woman. At eight, she worked 12 hours on night shift in a cotton mill. But sheer hard work, determination and faith drove her on. Today she owns three cosmetic firms and in 1953 was voted "Business woman of the year."

Even more thrilling, however, are her stories of flying and her accomplishments in the air. She is the holder of many speed records both for men and for women. She has been awarded many honors for her contributions to flying during World War II; she was Director of the WASPS, Women's Air Force Service Pilots.

Teen-agers

By Kay Hergenrather

Lunch time . . .

IT MUST BE just a bottle of milk to some folks, but to Michael Joseph, it's a wonderful meal. Michael Jo is the son of Mr. and Mrs. Alfred Schuster, Dubuque county, Iowa.

Cookery corner

Cheese-Rice Casserole

- 2 tablespoons chopped green pepper
- 1 tablespoon chopped onion
- 2 tablespoons melted butter
- 1 tablespoon flour
- 1 cup milk
- ½ teaspoon salt
- ½ teaspoon dry mustard
- 1 cup grated cheese (mild)
- 2 eggs well beaten
- 1 cup rice cooked

Melt the butter, and cook the green pepper and the onion lightly. Blend in the flour. Add the milk, and cook, stirring constantly, until thickened. Add the salt and mustard.

Remove from heat, and stir in the cheese until melted. Stir the sauce into the beaten eggs. Turn into a buttered baking dish and bake in a moderate (350 degrees) oven until firm.

Serve with the following tomato sauce: Cook two cups canned tomatoes with one teaspoon sugar, one small chopped onion, one small bay leaf, two cloves, and salt and pepper to taste. Put thru a sieve. Blend two tablespoons butter and two tablespoons flour, and stir into the tomato mixture. Cook over low heat until thickened. Serve over rice-cheese casserole.

Quick Nut Bread

- 2½ cups sifted flour
- 2 tablespoons sugar
- 3 teaspoons baking powder
- ½ teaspoon salt
- ½ teaspoon cinnamon
- 1 cup milk
- 2 beaten eggs
- 4 tablespoons melted butter
- 1 cup chopped nuts

Sift together flour, sugar, baking powder, salt and cinnamon. Add the milk to the eggs. Stir liquids into the dry ingredients, and mix until smooth. Stir in the melted butter and nuts. Pour into a well greased loaf pan. Let stand 20 minutes. Bake in a moderate oven (350 degrees) for about one hour.

Tomato-Cabbage Salad

- 2 cups tomato juice
- 1½ envelopes unflavored gelatin
- ¼ cup cold water
- 1 bouillon cube
- 1 tablespoon grated onion
- ½ teaspoon salt
- Cole slaw

Soften the gelatin in cold water. Heat tomato juice to boiling. Dissolve the bouillon cube in it. Add the softened gelatin, grated onion and salt. Stir until the gelatin dissolves. Pour into a ring mold. Chill until firm. Unmold, and fill center with cole slaw.

Cole Slaw

- ¼ cup vinegar
- 1 teaspoon salt
- ¼ teaspoon pepper
- ½ teaspoon mustard
- 1 tablespoon sugar
- 1 tablespoon butter
- 1 egg
- ¼ cup sweet cream

Heat the vinegar, seasonings and sugar to the boiling point. Add the butter. Beat the egg, and slowly add the hot mixture to it. Cook over hot water until the mixture thickens. Remove from heat, and beat in the cream. Pour over about three cups of shredded cabbage.

Barbecue Sauce

- 2 small onions, chopped
- 2 tablespoons vinegar
- 2 tablespoons worcestershire sauce
- 1 teaspoon chili powder
- ¾ cup water
- ¾ cup catsup
- 1 teaspoon salt

Mix all ingredients together in a heavy skillet. Cover, and simmer for about 45 minutes. Keep unused portion in refrigerator.

One a penny Two a penny

HOT CROSS BUNS

Try Rita Martin's ROBIN HOOD Hot Cross Buns

½ cup warm (not hot) water
2 pkgs. dry granular yeast (If cake yeast (2) is used, water should be lukewarm)
1¼ cups lukewarm milk
¾ cup sugar
1 tsp. salt
6½ cups sifted ROBIN HOOD All-Purpose Flour
2 tsp. cinnamon
½ tsp. allspice
½ cup melted shortening
2 eggs (½ cup)
1 cup raisins or currants

SOAK . . . yeast in warm (not hot) water 5 minutes.
MIX . . . . . milk, sugar and salt until dissolved.
STIR IN . . . 2 cups of flour sifted with spices; then beat in shortening, eggs and softened yeast.
ADD . . . . . currants or raisins, and enough flour to make a soft dough. Turn out on floured board.
KNEAD . . . until dough becomes smooth and elastic and is no longer sticky. Place in greased bowl. Grease top of dough and cover with waxed paper.
LET RISE . . . in warm place (80-85°) until doubled (1-1/2—2 hours).
SHAPE . . . into 2-inch buns and place side by side in greased pans or place 2 inches apart on greased baking sheets.
LET RISE . . . until light (45 min.). Before baking, snip top of buns with scissors or knife to form a cross.
BAKE . . . . in quick moderate oven (375°) 20-25 minutes.
BRUSH . . . tops with melted butter or confectioners' sugar icing.
COOL . . . slightly, then fill cross with confectioners' sugar icing.
YIELD . . . 36 buns.

A Lenten Treat That Can't Be Beat

Yes—up goes the appetite appeal of a simple lenten meal when you serve hot cross buns baked with Robin Hood Flour! They're spicy fragrant . . . they're plump and high . . . they have the most alluring golden crusts. And just taste 'em, warm and tender with butter melted in! They're the most delicious hot cross buns it's possible to bake!

Look for recipe folder in each bag of Enriched Robin Hood Flour.

Now! Get Best Results with One Flour for All Your Baking!

And you get perfect bakings of every kind with Robin Hood Flour. It's the only flour you need for the finest biscuits, rolls, bread — the finest cakes, pies, cookies. You see, Robin Hood is made from a variety of choice wheats. They're blended with special care and skill . . . blended to give you best results with one flour for all your baking.

Surprise your family with wonderful Robin Hood Hot Cross Buns tonight! And be sure to use Robin Hood Flour in *everything* you bake. You'll be thrilled with your results!

Enriched Robin Hood Flour®

The One Flour for All Your Baking

NO OTHER CLEANER CAN BE USED SO MANY WAYS!

Perfect for

LINOLEUM
RUGS, CARPETS
WALLS, FLOORS
MILK CANS
WOODWORK
UPHOLSTERY
HEAVY LAUNDRY

ONE PACKAGE MAKES 75 GALLONS OF PERFECT CLEANING SOLUTION!

No need to have a lot of different cleaners around the house. No matter what you want to clean, nothing equals Perfex!

Does More, Costs Less

Use Perfex dozens of ways—whenever you want faster, easier, safer cleaning. Wonderful for cleaning anything water won't harm.

A Little Goes a Long Way

Extra concentrated. Makes a gallon of perfect cleaning solution for less than 1c. Wash walls for 1c. Clean a big rug for 5c. Clean your own upholstery, too. Use 1c worth in your wash and save ½ your soap bill. So many ways to use—and save.

Don't Be Without It!

Keep Perfex on hand all the time. Over 15 million boxes sold! It has to be good! Satisfaction guaranteed or your money back.

COSTS LESS THAN 1¢ A GALLON!

Help Yourself!

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Homemaking helps

THE FIRST KNOWN written medical record contained a remedy for baldness, including fat from the lion, hippopotamus, crocodile, goose, serpent and ibex. It had one thing in common with modern cures—it failed to cure baldness.

* * *

LIGHT CLEANING of a rug consists of three individual strokes with the cleaner over a given area, forward, back and forward. A thoro cleaning counts up to seven individual strokes over the same area. Rugs should have a thoro cleaning once a week.

* * *

YOUR DIAMOND RING will stay sparkling and bright if you scrub it often with an old tooth brush dipped into hot, hot soapsuds.

* * *

SOMETHING DIFFERENT in sandwiches. Spread slices of raisin bread with a layer of deviled ham, and top with a spoonful of tart jelly. Broil a few minutes until jelly bubbles, and serve at once.

* * *

FILL OR TOP PLAIN, spice or chocolate cake with lemon pie filling. You'll be delighted with the results.

* * *

IF YOU MAKE a mistake in filling out a check, destroy it and write a new one. Don't try to correct it.

* * *

TO PEEL ONIONS so you don't cry, hold root side up, even as you slice them—no tears.

* * *

TO MAKE COLORED sugar, put one-fourth cup white sugar in a jar, and add two drops of the desired coloring. Shake until thoroly mixed—presto! you have it.

* * *

CANNED VEGETABLES and fruits are just about equal in food value to fresh cooked ones. The liquid in canned foods has important food values and should be used, not thrown away.

* * *

DO NOT SOAK VEGETABLES or allow them to stand after they have been peeled or cut up, for they will lose important food elements. Always prepare vegetables as near cooking time as possible.

INLAID LINOLEUM which has been badly worn may be revived somewhat with a coat of floor seal. This gives a protective coat and prevents water from getting into the pores and loosening particles of cork. Be sure all lacquer is off the floor.

* * *

CLOTHS USED for applying floor finishes, cleaners or waxes are inflammable. They should be immediately burned since they may cause spontaneous combustion.

* * *

WHEN YOU BUY window shades, check the care they will need. Some can be washed with a damp cloth but not saturated with water. Others need to be cleaned with wall paper cleaner. To prevent streaking, brush the shades with a soft bristled brush before cleaning them.

* * *

THYME IS THE DRIED leaf of a perennial plant of the mint family. We import most of ours from France. It is excellent seasoning for clam chowder, poultry dressings and meat loaf. It is pronounced "time."

* * *

WHEN YOU SEW keep your work on the table. Better workmanship will result if you work on a table rather than your lap.

* * *

USE A MIX of one-fourth cup sugar and one-half cup flour to dust over board when rolling out cookie dough.

* * *

COCOA WHIPPED CREAM topping for desserts is made by sprinkling two tablespoons sugar and two tablespoons cocoa over one cup whipping cream. Whip until stiff; fold in a few drops of vanilla.

* * *

A GLAZE GIVES SHINE to your favorite sweet rolls or bread. Mix together three-fourths cup sifted powdered sugar, one tablespoon orange juice, one and a half teaspoons grated orange rind. Spoon on bread as it comes from the oven.

* * *

JUST BEFORE BAKING, sprinkle cookies with sugar mixed with grated orange or lemon rind. Sesame, caraway or poppy seeds mixed with sugar are good toppers, too.

"All right . . . Who's trying to be funny?"

Just in time for coffee

"COME in for coffee"—this is an ever popular invitation in our hospitable midwest. Perhaps it is to a neighbor stopping by, or to the man who picks up the milk on a stormy day.

There's not much time for visiting on the farm, so we welcome these breaks. Recipes are copied, farm ideas exchanged, and neighborhood news retold over the steaming cups.

You'll never hesitate to extend your hospitality if you keep the cookie jar full, or a roll of ice box dough in the refrigerator. Then you can bake a pan of cookies almost as fast as the coffee perks.

BUTTERSCOTCH BEAUTIES

- 2 cups brown sugar
- 1 cup butter
- 3 eggs
- 1 cup broken nuts
- 3½ cups flour
- 1 teaspoon soda
- 1 teaspoon cream of tartar
- 1 teaspoon salt
- 1 vanilla

Cream the butter and sugar. Add eggs, and beat well. Add nuts and vanilla. Sift dry ingredients together, and add to other mixture. Mix well. Pack in butter cartons, or roll in wax paper. Chill; slice, and bake in hot oven until lightly browned.

APPLE SAUCE CAKE

- 1½ cups sugar
- ¼ cup butter
- 1 egg, beaten
- 1½ cup unsweetened apple sauce
- 1 cup chopped walnuts
- 1 teaspoon cinnamon
- 1 teaspoon cloves
- 2 cups flour
- 2 teaspoons soda
- 1 cup raisins
- 1 teaspoon vanilla

Cream butter; add sugar gradually and cream together. Add beaten egg and applesauce. Sift together flour, spices, soda and salt, and add to the first mixture. Add raisins, nuts and vanilla. Bake in a moderate oven for 45 minutes. Cool before slicing.

TRICKS WITH TOAST

Your own good homemade bread will toast to a beautiful brown because it is made with milk. For a crispy toast, slice it thin, and for a soft interior, cut thicker slices. You will like this version of an old favorite.

CINNAMON STICKS

Cut each slice of hot toast in four strips. Brush with melted butter, and roll in a mixture of three tablespoons sugar and one teaspoon cinnamon. Serve hot.

HONEY TOAST

Cream together equal parts of softened butter and honey. Spread on hot toast.

CHEESE PUFFS

Beat one egg white. Add one-half cup grated cheese and one tablespoon chili sauce. Cut bread in rounds with a cookie cutter, and brush with melted butter. Spread on the cheese mixture. Bake at 375 degrees until lightly brown.—Mrs. Douglas Davidson, Minnesota.

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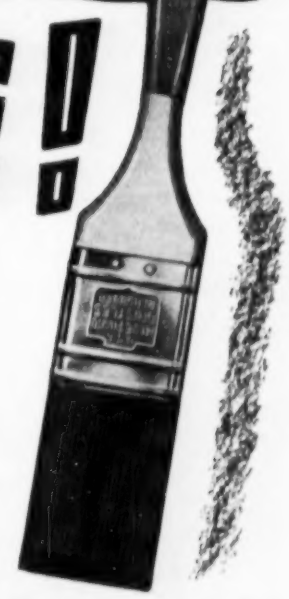
For a Fresh Breath of Spring In Your Kitchen!

FREE!



A 60c VALUE 1½" NYLON TRIM BRUSH WITH THE PURCHASE OF A PINT OF

MARTIN-SENOUR KOLOR-BRITE ENAMEL

* BEAUTIFUL FLOWER-FRESH DECORATOR COLORS $1.30 PINT
* SUPER-WHITE $1.40 PT.

A complete selection of colors! Kolor-Brite flows on smooth as silk . . . dries to a tile-like finish that holds its high and handsome gloss through years of household wear and tear. Rugged and washable, Martin-Senour Kolor-Brite is perfect for porch, lawn and garden furniture—kitchens and bathrooms.

BUY TODAY—GET YOUR NYLON TRIM BRUSH AT NO EXTRA COST WHILE THIS SPECIAL OFFER LASTS!

STANDARD GLASS AND PAINT CO.

Like a "Second Teat" for Each Baby Pig!

NEW SPARX EARLY CREEP PROGRAM

Sparx makes a pre-creep ration that actually smells and tastes like sow's milk. Baby pigs "take to" it by the time they're a few days old. The Sparx Early Creep program functions just like an extra teat for each pig in the litter—even "hind teat" pigs and extras in large litters get plenty of milk nutrients to supplement sow's milk.

Because pigs are born with a "milk belly," Sparx is the only formula they need, with cereal products and protein supplement, to give them peak nutrition from the first week through weaning. Sparx even gives pigs values sow's milk can't supply . . . quick energy from Hidrolex sweet milk sugars, antibiotic and extra vitamins.

Complete directions for the Sparx Early Creep Program are packed in every box of Dry Sparx. Or write for "40 Golden Acres" booklet that gives complete Semi-Solid System. Get Dry and Condensed Sparx from your feed dealer, elevator, or hatchery.

1st Thru 5th Week

While they're still in the farrowing stalls, pigs start to nibble Sparx Pre-Creep Ration. You can make your own or have your feedman mix 50 lbs. Dry Sparx, 50 lbs. rolled oats, and 25 lbs. ground corn. This Sparx ration costs less to feed than elaborate pre-creep pellets. One 50 lb. box of Dry Sparx makes enough to take a large litter through the first 5 weeks.

5th Week Thru Weaning

When pigs are five weeks old, start giving them condensed Sparx as a drink twice daily. Let the Pre-Creep Ration run out and replace with shelled corn and protein supplement. Pigs never miss their mothers at weaning, gain over a pound a day from 5th thru 12th week.

SAVE ORPHANS, EXTRAS

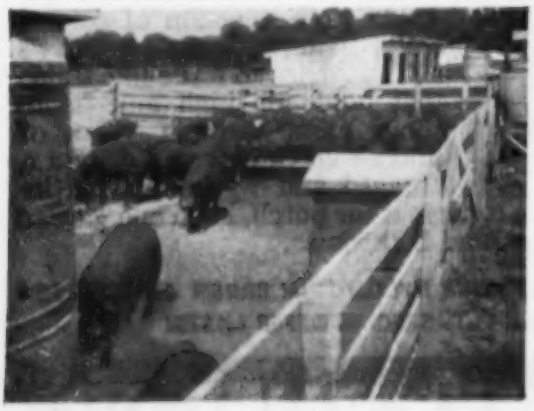
Dissolve Dry Sparx in water to make a liquid milk replacer for orphans, extras, pigs from poor milking sows. Dry Sparx solution will carry problem pigs from colostrum until they can be switched to dry Pre-Creep Ration.

SPARX WITH HIDROLEX®

® T.M. for Hydrolyzed Whey

CP CO

CONSOLIDATED PRODUCTS COMPANY
DANVILLE, ILLINOIS DES MOINES, IOWA
Makers of Hidrolex, Semi-Solid Emulsions, Sparx, and Kaff-A ©1955



YES! IT'S PROFIT PROVED!

Would you pay $8.73 for feeder pigs like these? That's what it cost to raise 1,123 eight week old weaners from 129 litters on the Sparx Early Creep Program at Consolidated Farms last fall. They averaged 38.9 lbs. at 56 days. Total creep feed cost was only $2.67 per pig. Total feed cost (including six months' feed for sows and boars) was only $8.73 per pig weaned.

Rural Route Ramblings

By R. F. D.

IT IS AMUSING to note that some of our legislators are again hot on the trail which, according to some of them, is "very bad" for the public and something we, the public, must be "protected" from.

THE AMUSING PART is that this particular situation has never been condemned by the public and as far as I have been able to learn, is held in favor by a large majority.

BUT, STILL and all, we are going to be protected from it even tho we have never complained.

WHAT I CAN'T understand is that all sorts of things which we scream loudly and long about are blithely ignored by our lawmakers. They are so busy eliminating things which we like.

BELIEVE IT or not, the rural carriers of my county are invited to a FREE steak supper tonight held for rural carriers only. Most of the boys are pretty skeptical about the whole thing and want to know what the catch is.

I DO NOT know, but I will this time tomorrow.

ANOTHER thing which always puzzles me is that whenever a postal pay raise is mentioned or, in fact, anything about the postal department, the great hue and cry arises about the postal deficit each year.

WHILE THERE always has been such a deficit, I would like to know why only the post office is mentioned and never any of the other governmental agencies.

I WOULD like to know what governmental agency does show a profit? In fact I would like to know what other government project even takes in any money at all?

AT LEAST the post office has some income—the rest of them are all outgo.

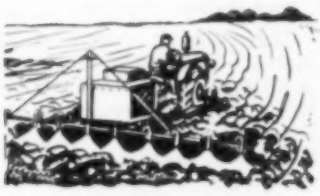
DON'T GET ME wrong. I don't expect to find out. But then I don't expect to find out a lot of things I am wondering about.

"Look, every man needs a hobby, and this is mine."

CAMPBELL'S
GRO-GREEN
with Foliage DIETENE

Liquid Fertilizer Concentrate

NITROGEN BOOSTER OR COMPLETE BASE NUTRIENT SOLUTIONS



For Everything That Grows!

Reports from users of Campbell's Gro-Green Liquid Fertilizers report acreage gains from 25 to 50% on all kinds of field and truck crops. Sounds incredible, doesn't it? But we'll be glad to forward you copies of letters from users.

Packed in 1 Gal. & 5 Gal. Cans

30 and 55 Gal. Drums (Cheapest solution packed in drums)

Customers Like It

- . . . Because it is easy to use. No heavy sacks to handle.
- . . . Because ordinary tractor mounted sprayer can be used.
- . . . Because it can be sprayed direct on foliage without waiting for rain. Give crops boost when needed.
- . . . Because when results are balanced against expenditures — it gives maximum yield at lowest cost.

Attention Farmers

Gro-Green with Foliage Dietene contains all necessary major and minor elements, vitamins and hormones to insure lush growth and better protein content. Insecticides, pesticides and most weed killers are compatible and can be used in one operation on many crops.

Test, demonstrate and sell Gro-Green solutions. If your dealer cannot supply write for complete details.

H. D. CAMPBELL CO.
FARM PRODUCTS DIVISION
ROCHELLE 11, ILLINOIS

DEALERS WANTED!

Make winter a high-profit season with Rite-Way's new one-man Chain Saw! Sells FAST by demonstration—farmers see for themselves how light and easily it handles, and what a tremendous job it does! Three full horsepower at the cut! The blade has a 360-degree swivel, locks instantly in any position no other saw its size has this! New magnesium alloys make the Rite-Way light—yet tough and rugged! Exclusive automatic oiling system . . . complete roller-bearing mounting . . . narrow guide bar, centered for balance . . . easy-to-sharpen three-way saw chain! Exclusive franchise and 30-DAY FREE TRIAL to responsible parties. Write TODAY to Dept. A-A, Rite-Way Dairy Division, Package Machinery Company, East Longmeadow, Mass.

KEEP YOUR DRAIN-TILE *Open*

NEW, INEXPENSIVE
FARM-ROD
Cleans Field Tile, Septic Tank Laterals, Irrigation Lines and Other Underground Pipes

Runs by TRACTOR TAKE-OFF or HAND POWER
NO UNNECESSARY DIGGING

L. H. Eves, State Center, Iowa, writes, "Farm Rod goes with me on every job. I get roots, sediments, stones, washed in debris. Saves many hours of digging." Write for further details. Free folder. No solicitors.

ROTO-ROOTER CORP., Dept. 6-W
301 University Ave. Des Moines 14, Iowa

"Don't be angry. If you'd get an electric milker, that couldn't happen."

Kill Brush And Trees Now

March is a very good time to kill unwanted brush or small trees with a mixture of 2,4-D and 2,4,5-T.

Spray brush to the point of run-off. Trees up to six inches in diameter can be killed by spraying the bases—from ground level to about three or four feet up the trunk.

The chemical should be diluted with fuel oil or kerosene. The oil penetrates bark better than water. Spray until the surface is thoroly wetted.

Animal Diseases Taken By Man

Control measures are known for most of the animal diseases that are transmissible to people.

These diseases include brucellosis, tuberculosis, leptospirosis and rabies. There are others.

Defense against each disease may require some special precautions. But in general, use only pasteurized milk. Wear rubber gloves when handling female animals giving birth to young. And wear gloves when treating sick animals or disposing of dead bodies.

Test Spoil Banks Before Seeding

Better test the soil before you try reclaiming strip mine spoil banks.

Tests on spoil banks were conducted by the Iowa experiment station. Soil acidity varies greatly. On the most acid banks, lack of phosphorus limited plant growth.

On slightly acid to neutral banks, nitrogen was most limiting. Nearly all spoil banks were short of nitrogen.

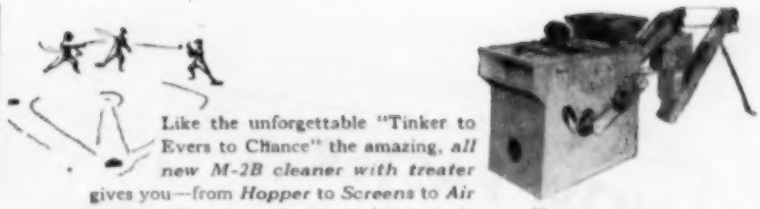
On spoil banks testing pH 5 to 6.5, lespedeza looks best.

Sweet clover, alfalfa, birdsfoot trefoil and partridge pea showed considerable promise on banks testing pH 6.0 or higher Sweet clover looks like the best bet if spoil bank material is neutral or alkaline.

Good seedbed preparation is needed to insure good stands.

Best chance of establishing grasses is seeding the grass in a stand of legumes. Then the legumes can supply the needed nitrogen.

Best trees for spoil banks are green ash, cottonwood, black locust, jack pine, white pine or red pine.



Like the unforgettable "Tinker to Evers to Chance" the amazing, *all new M-2B cleaner with treater* gives you—from *Hopper* to *Screens* to *Air Blast* to *Treater* to *Bagger* in but a single pass. Your dealer will explain this profitable combination unit.

The One Farm-size Seed Cleaner With Industrial Efficiency!

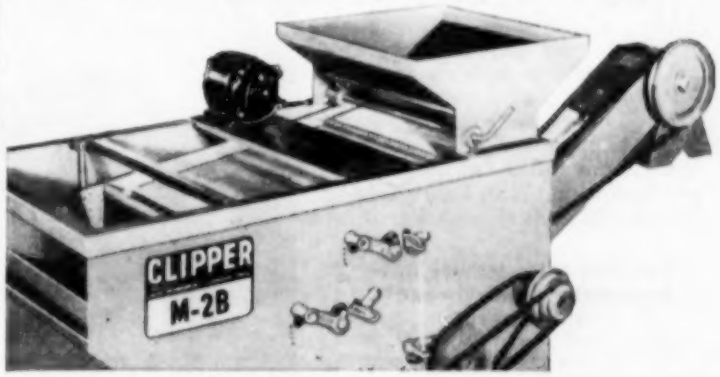
More profits!—Better job!—25% more capacity!

All-metal construction—greater durability.
Vee belt drives—positive power.
Automatic screen brushes—better cleaning—more capacity.
Positive-feed hopper—uninterrupted screen feed.
Ball bearings—less friction—less wear.
Top motor mount—less vibration.
Metal screen-ways—no leakage.

The CLIPPER M-2B

The time to clean seeds and grain is *NOW*.
You will be surprised at how quickly this mill will pay for itself—don't put it off—see it at your dealer today!

Clipper Cleaners — A Safe Investment CLIPPER
A. T. FERRELL & CO. Saginaw, Michigan



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IT'S TIME TO WORM HOGS

with DR. LEGEAR'S HOG WORM POWDER

THE SAFE EASY WAY...
MIX WITH SLOP OR FEED

Worming time means it's time for Dr. LeGear's Hog Worm Powder . . . the one wormer that's safe, sure and easy to use. Millions of hogs have been safely wormed with Dr. LeGear's Hog Worm Powder.

A REAL SERVICE FOR YOU...

Through the courtesy of your Dr. LeGear Dealer you can now get free advice on animal health, feeding and management problems whenever you need it. Simply stop in at your dealer or write to Dr. LeGear for details on Free Veterinary Advice . . . a service of the Dr. LeGear Medicine Company.

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BUFFALO AUTOMATIC TRACTOR PLANTER MARKER

- Marks Easier and Faster!
- No Ropes or Chains to Pull!
- For All Planting, Drilling, Listing!
- Self-Operating!

Marker Switches Automatically to opposite side when tractor turns at end of field! Marks rows straight and clear, **evenly** spaced! For all planting, listing, grain drilling.

Adjustable to All Row Widths for corn, small grain, milo, beans, truck gardening, etc. Universal mounting, 2 and 4 row. Install on most any tractor in 15 minutes without drilling holes! Write for full information, dealer's name, etc., now!

Come harvest-time, straight rows will save you time and crop loss.

2 and 4 Row Tractor Marker

FLEISCHER-SCHMID CORP., Dept. 99, Columbus, Nebraska

MOW FASTER . . . .

RAKE CLEANER

with Long-Lived JOHN DEERE EQUIPMENT

WHEN your hay is ready to cut, you want to mow clean and fast, and you want to save all the hay you mow. That's exactly what you can do with a clean-cutting John Deere No. 5 Power Mower and leaf-saving John Deere Side-Delivery Rake.

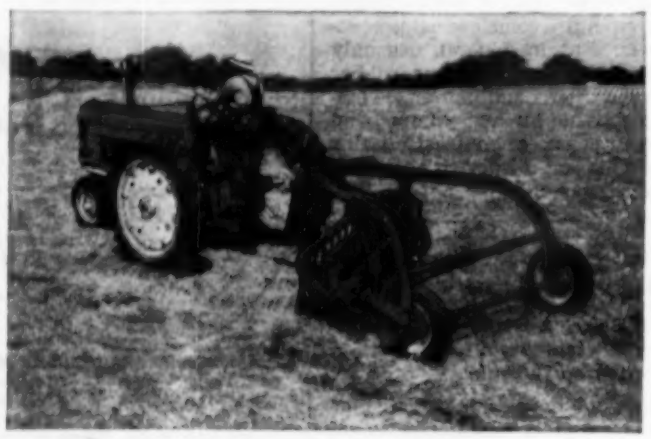
You Get New-Mower Performance Down Through the Years

You can cut from 25 to 35 acres a day in any hay crop with the John Deere No. 5 Mower. What's more, because of simple adjustments which keep the knife centered with guards and eliminate cutter-bar lag, the No. 5 cuts like new throughout its long life.

The flexible hitch and single caster wheel of the No. 5 mean the cutter bar skims along the contour of the ground, cutting at a uniform height up-hill or down. This outstanding flexibility also enables you to cut neat, square corners.

The No. 5 is protected against breakage by the safety spring-release and the safety slip-clutch on the power line. If the cutter bar should hit a post or a hidden field obstruction, the whole mower swings back out of danger. If the cutter bar should become clogged with wire or other foreign material, the slip-clutch prevents breakage.

Above is the No. 5 working with the John Deere "60" Tractor. The No. 5 is attached quickly and easily to all makes of tractors—and works at any speed up to 6 mph.



Above, the John Deere No. 851 *high-speed* Side-Delivery Rake forms leafier windrows with 50% less forward movement of the hay at speeds up to 7 mph.

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You can lose nearly as much by failing to feed concentrates at the right rate as you can lose by feeding a poor cow.

Millions Saved By Insect Control

Illinois farmers saved an estimated $7,130,000 last year by fighting cornborers, grasshoppers, chinch bugs, armyworms and legume insects with chemicals.

So says Dr. Harlow B. Mills, chief of the Natural History Survey division of the Illinois state department of registration and education.

He says that Illinois farmers treated about 250,000 acres for control of those five insects. And the savings mentioned above don't include savings from control of other insects such as wireworms, cutworms, rootworms, etc. The figure would be much greater, says Hills, if all acreages treated for all insects were included.

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A cross between aspen and poplar trees has been found growing in a southeast Iowa timber area.

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Cost of rewiring often is repaid in savings in the electric bill, says a Colorado state college agricultural engineer.

Energy lost in heating of undersize circuit wires shows up on the meter—but serves no purpose, he explains. At any rate, the cost of making improvements is small—compared with the price you might pay in regrets.

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Pasture is the cheapest feed for dairy cows. A DHIA study showed that 100 pounds of nutrients from pasture cost about one dollar.

Same amount of nutrients from hay or silage figured about two dollars. Nutrients in a grain mixture averaged about three and a half dollars per 100 pounds.

Total cost of feed was about the same whether or not any silage was used.

Highest producing herds had to be fed a higher percentage of grain. About 39 percent of the nutrients in those herds came from grain. In the lowest producing herds, about 31 percent of the nutrients were from grain.

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But if your herd averages over 500 pounds butterfat per cow, then you should get $214 per cow for your labor.

These returns are figured from a study of 801 herds in Iowa Dairy Herd Improvement Associations.

The figures show that returns in the lowest producing herds are less than one-third of the per cow labor return from cows producing over 500 pounds butterfat.

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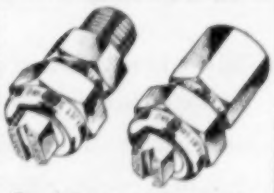

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Here's what some Corn Belt farmers and research men have done to get more out of pastures.

On land that can go into a long rotation, try an alfalfa and bromegrass mixture. Maybe with some ladino clover added.

Dwight Krebill of Lee county, Iowa, plowed up some old bluegrass. He seeded it to alfalfa and brome in 1947.

"I got seven years of good pasture from that field," says Krebill. "Now I'm ready to reseed it and start over again."

Charles Lille of Woodbury county, Iowa, terraced a bluegrass pasture. Bluegrass sod between terraces will be torn up, fertilized and reseeded to brome and legumes.

He says, "Renovated pastures really beat unimproved bluegrass. They fill in that midsummer gap when bluegrass plays out."

Most farmers plow up rotation pasture after only three or four years. The heavy growth of roots holds the soil while you take a crop of corn. Then you can reseed and start over with pasture.

For land that should be in permanent pasture, trefoil is the key.

Krebill plowed up an old bluegrass pasture. Then he took off a crop of corn. Of course, lime and fertilizer were added as needed. Then he seeded oats and birdsfoot trefoil. No grass or legume was seeded with the trefoil.

"I got a fine stand right away," says Krebill. "From what I've seen, trefoil seems to start a lot faster when it doesn't have to compete with other legume seedlings."

"Trefoil makes top notch pasture. The cattle really like it. And it surely boosted milk production for me," he adds.

Tests on Iowa State College experimental farms measured the extra forage produced on renovated pastures. Here's how pastures compared:

Beef steers were used to check forage production in one test. Unimproved bluegrass produced 93 pounds of beef per acre. That's the average for six years of testing.

During the same period, bluegrass renovated with trefoil averaged 248 pounds of beef gain.

Beef cows and calves were used on another farm.

Four years averages show 106 pounds of beef per acre per year for unimproved pasture. Renovated pastures gave almost two and a half times as much—246 pounds.

Three year averages with sheep tell a similar story. Check pastures produced 101 pounds of gain per acre per year. Improved pastures gave 201 pounds.

Two to two and a half times as much meat from each acre of renovated pasture. That's the way Iowa State College research men summed up the tests.

Whether or not you can make renovation pay depends on your own setup. Steps in renovation are simple.

Test soil to find how much lime and fertilizer to apply. Put on the lime well in advance of seeding.

Shallow contour plowing in the fall gives the bluegrass more of a setback. But spring plowing will do. Work up a firm seedbed in the spring. Then seed oats and the pasture mixture.

Oats can be taken off early to give seeding less competition.

You can expect pasture renovation to cost $20 to $40 an acre. So you need to use the extra forage efficiently. No need renovating pasture unless you can use extra forage.

With regular application of fertilizer, one renovation job can last for several years. The initial investment doesn't look so high when it is spread over several years. Especially when you are getting at least twice as much forage from each renovated acre.

PREVENT ANEMIA in Baby Pigs

by Henry Arthur

SCOURS are three times greater when baby pigs are anemic than when anemia has been prevented. It's a well known fact that pigs farrowed indoors and kept away from soil will become badly anemic unless steps are taken. Simply fortifying the sow's ration with extra iron and copper will *not* do the job because minerals are not transferred to the milk.

Here's how to prevent anemia:

1. Dissolve 1 lb. "copperas" in ½ gal. water.
2. When pigs are **3 days old**, start swabbing the sow's udder with the copperas solution.
3. Continue daily swabbing until pigs are 3 or 4 weeks old, or until they're eating pig starter well.

Swabbing is simple. Pour a little copperas solution in a tin can and use a small, cheap paint brush over each row of nipples. Do the swabbing at the same time every day so that it becomes a habit. The pigs will get all the iron and copper they need from the treated nipples when they nurse. There are other ways of providing minerals, but our experiments show this method to be 100% effective.

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New flowers, vegetables get approval

All-American flower and vegetable selections for this year include three flower and three vegetable varieties. Learn more about these winning varieties in this article by Ben F. Vance, extension horticulturist at Iowa State College.

NEW varieties of flowers and vegetables are test-planted in widely scattered gardens. A group of competent judges then selects All-American varieties on the basis of productiveness, uniformity, quality, color, resistance to diseases and insects and other important characteristics.

The 1955 All-American vegetable selections include Golden Beauty sweetcorn, Pennsweet muskmelon and the Seminole bush snapbean.

Golden Beauty sweetcorn is early-maturing. Ears are medium sized. Stalks are five to six feet high. The variety shows disease resistance.

Pennsweet muskmelon also was developed for short season areas. Fruits are round-oval in shape—medium sized, with thick, good quality flesh.

Seminole is a mosaic resistant, medium green, round-podded bush snapbean. Pods are straight and stringless with very little tapering at the tips. The Seminole snapbean is adapted to both canning and freezing.

All-American flower selections include the McKana Giant columbine, the Prima Donna petunia and the Toreador celosia.

For the first time in 18 years, a perennial flower has won the All-American title. The McKana Giant columbine brings a taller, bushier, stronger columbine with unusually long-spurred flowers to the garden. Colors include deep yellow, pink, red, blue, primrose, purple and white.

The Prima Donna petunia is another choice of the All-American judges. Plants are 12 to 15 inches high. Blossoms are rose-pink.

The Toreador celosia, or cockscomb as many gardeners know it, is crimson-red with stocky, two-foot plants of bright green.

All of these selections are readily produced from seeds available this spring.

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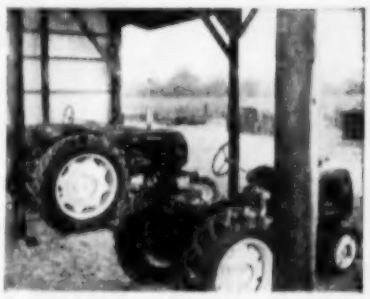

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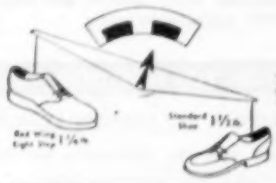

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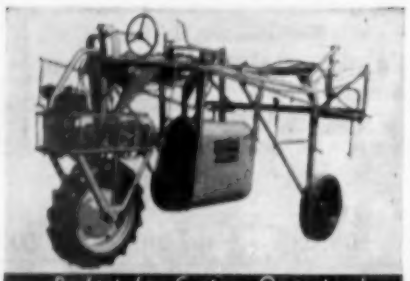

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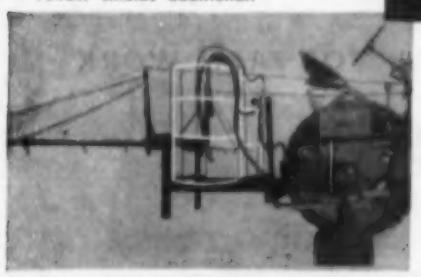

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Iowa considers egg law

Men in poultry and egg industry give views on proposed egg marketing law

A LAW has been introduced into both houses of the Iowa legislature to change the egg marketing system.

The proposed law would require that all eggs be bought on grade. Buyers would have to candle and grade all eggs.

Eggs sold to consumers would have to be grade B or better. See page 70, Feb. 5 issue of Wallaces' Farmer and Iowa Homestead for more details.

Aim of the law, its sponsors say, is to put Iowa egg marketing on a quality basis and thereby build up the markets for Iowa eggs.

Wallaces' Farmer and Iowa Homestead wanted to know what some people in the poultry and egg industry thought about the proposed egg marketing law. We asked them eight questions. Here are selected answers:

1. How will the proposed egg grading and candling law affect Iowa marketing and production?

"It will put Iowa on a quality marketing program and result in a better competing position with the rest of the country. Production should increase if we have a quality egg", says Dick O'Connell, executive secretary, Iowa poultry improvement association.

An Iowa poultryman adds, "Production would become more stable. We probably wouldn't have a large increase in Iowa immediately.

"The numbers we have at present appear to be adequate for our current reputation in the market. However as the penalty for poor quality becomes apparent to producers, some will drop out in favor of other enterprises".

2. Will the over-all price to producers be higher or lower?

"The over-all price to producers will be higher, because it creates an incentive to the producer to produce a better quality egg. The income from eggs in Iowa, in five years, could easily increase $50 millions due to improved egg quality", says Gerald McSweeney, Mitchell county Iowa, egg buyer.

"Even an increase of two cents per dozen (60 cents per case) would increase the egg income to Iowa producers by $30,000,000." O'Donnell adds.

3. Will the lower price received for lower quality eggs be enough to bring the average price below the current receipt market price?

"Not for long if it does, because farmers will produce high quality eggs if they are paid for it", Stan Nicol of the Iowa Farm Bureau Federation says.

4. What will be the increase in egg prices to consumers?

"I believe there might be a slight increase in consumer prices. But the housewife has already proven that she will pay

(Continued on next page)

PAW TUCKER—This fickle spring weather!

What about marketing spread?

(Continued from last page)

a higher price to provide her family with better quality eggs.

"The consumer will be able to pay the price according to grade desired, and on a quality egg-for-egg basis, will not be paying any more than today", O'Connell says.

"The consumer will be paying more for the eggs, but will be getting a higher quality egg. He will know definitely what he is buying instead of getting a 'country-fresh' or 'current-receipt' egg from his grocer which upon inspection turns out to be mostly grade B and C eggs," McSweeney adds.

5. What do you think the increased spread will be between producer and consumer prices due to extra marketing costs involved under the proposed egg law?

"Retail prices don't follow farm prices. There is always a lag. I doubt if it will be noticed," says Stan Nicol.

"Four cents a dozen", says McSweeney.

6. Do you think egg producers will benefit as much as handlers and consumers from such an egg law?

"I believe all three will benefit a great deal by the law with producers, first; consumers, second; and handlers, third; but not a great deal of difference because of the all-inclusiveness of the proposed law," O'Connell says.

7. Do you think producers can and will report violations in the egg law regulations?

"The Iowa law provides that the only complaint we are required to recognize is a signed complaint of a patron", says L. B. Liddy, Iowa department of agriculture.

"I don't believe it will be up to the producer to report violations. If it is, they will do so, especially if they feel their eggs are better than average and should be sold at a better than average price," another poultryman adds.

"Producers under this law can report violations if they feel their eggs are not being graded properly, and I believe they will", O'Connell says.

8. Do you think it would be possible to enforce the regulations as set out in the proposed egg grading law?

"We believe that the proposed egg law would be much more easily enforced than our current law, as it provides for additional inspectors policing the egg law exclusively—these inspectors not to be paid from tax money but by the egg industry," Liddy says.

CALF PNEUMONIA may be prevented or cured. But prevention is much better. Recovery leaves calves in a weakened condition. Prevention is possible thru good feed, plenty of bedding and freedom from drafts. Cure is possible with sulfa or antibiotic drugs.

ALL NEW

CASE "400"

Sets Exciting New Style in Tractor Design

. . . to Admiring Thousands It's "Love at First Sight"

When you get a good look at the Case "400," all other tractors just naturally go out of date. You get the feeling that the book is closed on all the chapters of tractor history heretofore. In beauty of line and color . . . in comfort of ride and ease of control . . . in sparkling power supremely smooth . . . in full range of speeds to harmonize every size of load and condition of soil . . . there's simply nothing in all the world to compare with the all-new Case "400."

It's not merely that you get eight forward speeds and two reverse. Those forward speeds go up in steps with never a gap between. Whatever pace you choose, there's a gear that gives it to you with the engine turning at or above its strongest-pulling speed.

Whether you prefer the Powrcel diesel or Powrdyne gas model, you'll find the Case "400" so thrifty to run, so easy on upkeep, that you get maximum economy as you enjoy its beauty, its comfort, its extra capacity.

Big new mounted implements for the "400" include the "444" Pivot-Action Plow with new break-away safety release. It keeps correct line of draft when converted from 4 to 3 bottoms for extra hard plowing. New 4-row Drive-In Cultivator has front gangs that swing out to enter, swing back to "button up" in a jiffy. There's a new 4-row planter, too, and a husky brute of a subsoiler, both quick-mounted on Eagle Hitch.

Visit your Case dealer. See the "400"—get the feel of torsional-rubber seat suspension . . . easy, progressive shift pattern . . . Duo-Valve hydraulic control. Send now for fascinating inside story of the "400." Check other machines that may interest you. J. I. Case Co., Dept. C-505, Racine, Wis.

4-plow "400" Tractor
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4-bottom Mounted Plow
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4-row Eagle Hitch Planter
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. . . or any other farm utility building?

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that it's a BUYER'S MARKET

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Tips For March

The pace of work on midwest farms is picking up. Here are some suggestions that Francis A. Kutish, Iowa State College farm economist, has gathered from successful farmers. They may help you, too.

TIMELINESS is a better way to get rid of farm headaches than aspirin. Or a a baseball player says: "Don't be flatfooted; get the jump on the ball."

▼ ▼ ▼

CHECK over your farm machinery before you go to the field. A group of farmers were discussing this after a farm management meeting at Oskaloosa, Iowa, recently. Make sure you are ready to roll, once the soil is ready to work.

▼ ▼ ▼

COSTLY BREAKDOWNS later often can be avoided, too. It's the old case of a stitch in time saves nine. Nothing can be more discouraging than a breakdown in the middle of seeding, planting corn or haying.

▼ ▼ ▼

TIMELINESS is important with livestock too. A Dallas county, Iowa, farmer was telling how he put off getting his hogs out on clean ground a few years back. He ran into hog disease in the summer. It was an expensive lesson, he says.

▼ ▼ ▼

UP IN CLAYTON county, Iowa, a dairyman tells how he let his calves go while he spent all his time hauling manure. Calves got scours, and he lost two. Better that he should have taken care of the calves, he says. Even if some of the manure in the pile outside didn't get on the corn ground.

▼ ▼ ▼

YOU'VE GOT to get the knack of putting first things first. That's the way a Sac county, Iowa, farmer says it. "Sometimes I have to let the weeds go for awhile in the fence rows," he says; "longer than I like. But not until they go to seed."

▼ ▼ ▼

LETTING THINGS slide while you do something else more important is often necessary on a farm. But you've got to know how far you can let them slide without running into more trouble. That's where management judgment comes in.

"This'll prove we grow the tallest corn in the county."

Buy a Perfection

POST HOLE DIGGER

Here's the Ford of post hole diggers, equal to the best but priced down with the rest.

9" for Most Makes of Tractors $140.00

The Perfection Post Hole Digger allows the operator to dig holes (in as little as 10 seconds) while remaining on the tractor. A 9-inch auger is standard, but larger sizes are available on special order.

Perfection is the post hole digger with the quality built in, and the trouble built out. There's no troublesome or expensive breakdowns, and no annoyances to dealers for service.

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Heavy steel spiral cut and hardened automotive gears that will last a lifetime ★ Heavy-duty timken or tapered roller bearings throughout that will last a lifetime ★ Heavy-duty gear case ★ Only three zerks, balance oil bath lubricated ★ Oversized and nationally advertised universal joints ★ Replaceable cutting blade, hard faced ★ Tractor seat control ★ Extra easy to mount ★ Adaptable to most hydraulic lift tractors—specify make of tractor when ordering ★ Heavy spiral auger mounted on 2-inch pipe 42 inches long ★ Reinforced pipe used in mounting brackets or frame.

If kept properly lubricated, Perfection Post Hole Diggers are UNCONDITIONALLY GUARANTEED.

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FARMECH, Parkersburg, Iowa

Without obligation send me full information specifications and prices.

Name .....

Address .....

Champions for 1955! Girls from Goldfield in Wright county. As with most teams, many girls were from nearby farms.

Home folks support . . .

Girls basketball

SO DOES Wallaces' Farmers and Iowa Homestead.

Fee asked by Iowa Girls High School Athletic Union threatened to keep state tournament finals off TV. At the last minute, Richard Pierce, Associate Publisher of Wallaces' Farmer and Iowa Homestead, said the paper would pay the fee if WOI-TV would handle the telecast.

On few hours' notice, WOI-TV cancelled income-producing commercial programs and moved to Des Moines for the telecast.

In explaining the willingness of Wallaces' Farmer and Iowa Homestead to pick up the check, Mr. Pierce said, "Farm people are intensely interested in the Iowa girls basketball tournament. Many of the players are farm girls.

"So Wallaces' Farmer and Iowa Homestead was glad to be able to work with WOI-TV and the Iowa Girls High School Athletic Union to make it possible for many of these interested people to see the games even tho they couldn't come to Des Moines."

Goldfield guard Jane DeWitt knows about farming. Here she's gathering eggs on the DeWitt farm.

Farm Girls made up much of the Holstein team from Ida county. Left to right, Coach Russ Kraal with Verna Leckband, Lois Schroeder, Mary Jane Leonard, Nancy Janssen and Des Moines Police Matron Dale Squires.

Lois Christensen of Goldfield's champions serves a snack to her parents in their Wright county farm home. Parents are Mr. and Mrs. Harry Christensen.

Managing editor Lee Thompson of Wallaces' Farmer and Iowa Homestead interviewed some of the players before the finals. Here, he is talking with Ardith Mairs (center) and Marilyn Peterson of Gilman in Marshall county.

Mr. Vogelaar farms 160 acres and sells clean whole milk from 16 cows. Shown here with a supply of always-dependable Kendall Milk Filter Disks.

NEW METAL CONTAINER

Holds three cartons of 6 or 6¼ inch filters. Self-closing top. Screen bottom provides ventilation, keeps out insects. Dark blue enamel — "hanging holes" in back. Get it for $1. — NOW. Ask your milk plant.

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CHUCK WORCESTER tells you more about Kendall disks on his "Sunrise Hour" at 5:15 over WMT.

"WOULDN'T BE WITHOUT THEM

for . . . clean milk"

says Mr. Tunis Vogelaar

Mr. Vogelaar used his first Kendall Milk Filter Disk over 10 years ago—and he has used *only* Kendall disks ever since! Only *complete satisfaction* wins that kind of loyalty.

The fibers in a Kendall disk are *man-made;* they never vary. That means you get *uniform* sediment removal. And don't be misled by the slim appearance of Kendall milk filters—they're *guaranteed standard weight*—full fiber content—yet *pressed* to reduce bulk by 75%! Easy to handle, easy to store in small space. Most important, Kendall disks filter fast and filter clean. Take Mr. Vogelaar's advice: use Kendall Milk Filter Disks for easy straining and really *clean* milk. Kendall Mills, *Division of The Kendall Company,* Walpole, Massachusetts.

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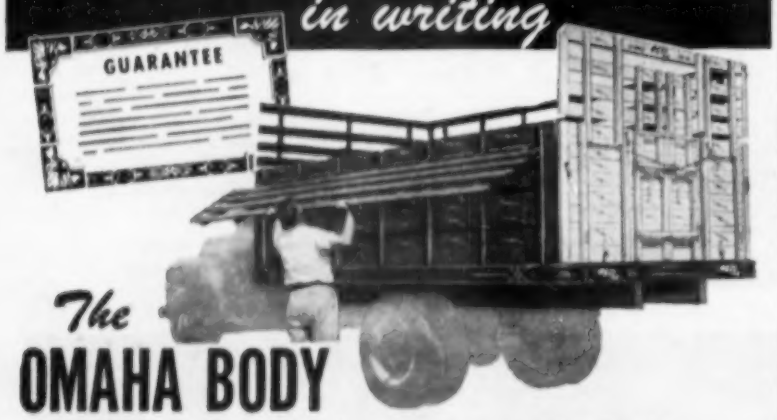

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Combination stock, grain and platform

Your Best Buy—HERE'S WHY

- Racks and filler slats are thoroughly seasoned, select quality, kiln-dried oak.
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- Raised floor seals grain in and water out.
- Foldown and Top-off bodies, equipped with removable slats for ventilation.
- Two section gate slides up or breaks out.
- Several coats of weather resistant enamel protects racks and frame.
- The OBECO platform is all steel — jig built for precision — engineered for strength with rigidity for any use - stock - grain - machinery hauling.

UNCONDITIONALLY GUARANTEED OMAHA BODY HOIST

Designed specifically for farm use . . . Constructed to give you years of trouble-free service. The hoist is furnished as a *single-unit,* complete with sill reinforcements. Automatic hold-down . . . Dash controls . . . Easy to install. Requires no *harmful* welding to the truck frame which may void your truck guarantee. Lifting thrust evenly applied . . . shifting of load will *not* cause the hoist to *twist* body or truck frame. Lifting thrust not transferred to truck frame.

To learn more about our Written Guarantee see your local truck dealer.

OMAHA BODY & EQUIPMENT CO. 24 & Vinton St. Omaha, Nebraska — Obeco

Play It Safe!

Lucifer Knapp
Let his shoe sole flap,
Till the ground came up
And gave him a slap.
—Beth Wilcoxson

Pigs Have Skin Trouble

To the Editor: My fall pigs have little sores and skin irritation all over their bodies. A few have bunches almost as big as eggs on their hips. The veterinarian thinks it is an allergy. Last spring two of my brood sows got lame and went down. Also several of my market hogs are lame. —F.H., Harrison county, Iowa.

This is hard to diagnose without seeing your hogs. There have been skin troubles in hogs for which we could not find the cause.

The majority of lameness seen in Iowa hogs is due to erysipelas. Have your veterinarian double treat your pigs for erysipelas when they are small to see if this condition does not clear up. Any of the older hogs could also be treated.

Some hog men have treated skin ailments by dipping the hogs in a solution made up of one pint of nicotine sulfate in 50 gallons of water. Try this on a few to see if the skin trouble improves.

Why Do Pullets Eat Feathers?

To the Editor: Why do pullets eat their own feathers and any others lying around? Do they lack something in their feed?—P.H., Chickasaw county, Iowa.

Feather pulling is seen most often in birds kept in close confinement with little or no exercise. The habit may be increased by a lack of food or parasite infestation.

Growing pullets should have one square foot of floor space per bird. Laying hens should have at least three square feet of floor space.

To stop this feather eating, move the birds to clean range. Offer the pullets a well balanced growing mash, and check for external parasites.

If your birds have been confined to old lots, have a poor-doing bird autopsied by your veterinarian. Worm the flock, if necessary.

MANY farm products or by-products go into automobiles. In one year, the auto industry used 460,480 bales of cotton; 2,200,000 bushels of corn; 21,600,000 pounds of wool; 553,000 cattle hides; and smaller amounts of other farm products.

SHAVER HYDRAULIC POST DRIVER

IT'S SO EASY
This New Modern Way to put in Wood Fence Posts

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Your Tractor's Hydraulic System Does All the Work

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Operates Any Position, Up Hill, Side Hill, Down Hill

Puts in as much as 80 rods of posts in 80 minutes

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Des Moines, Iowa

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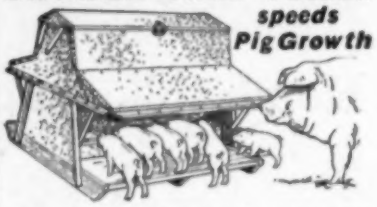
SHAVER MFG. CO. GRAETTINGER IOWA

BROWER CREEP FEEDER
speeds Pig Growth



Ends need for homemade creep pens—saves time and labor costs! Designed for pigs ONLY—low canopy keeps sows away from fed troughs. The most efficient creep feeding method yet devised!

NO. 4CF—Body of 20 ga. rust resisting Armco Zinegrip. Heavy steel top. Weatherproof, sanitary, easy to fill. 8 bu. cap. Accommodates 75 pigs. Length 4'; Ht. 35½"; Width 53". Shipped KD (175 lbs.) Easily assembled.

PRICE: $51.50 F.O.B. Quincy

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BROWER MFG. CO., Box 8399, Quincy, Illinois

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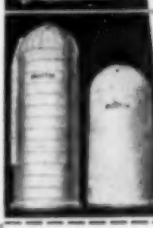
Thornton-Minor Ointment

You feel soothing comfort so fast, too. That's because Thornton-Minor Ointment is a complete formula with fast-acting, long-lasting special ingredients to check itching, burning, pain and help reduce swelling. Ointment or suppository form, only $1.00. Ask for it at any drug store but insist on genuine Thornton-Minor Ointment.

THE MARTIN WAY
Lets You Make MORE from ALL Your Crops

EAR CORN—Harvest early, cut field losses—take the gamble out of storage . . . A low-cost MARTIN High Round Crib—permanent, rat-proof, weather tight—is the answer.

SMALL GRAINS—Dry and store your grain in a Martin Harvest Hoarder Bin—with unheated air—safely and economically. Harvest ALL you grow, and SAVE ALL you harvest.



FORAGE—Feed your cattle Blue Ribbon quality, juicy, nutritious silage from an air-tight Martin Steel-Bilt Silo . . . and tender, fragrant, LEAFY meadow-rich hay made in a Martin Haymaker. This profit-making, work-saving combination returns you the most from your forage crops.

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WRITE

for our big circular and name of closest dealer, showing Utility Hog Self Feeders and Automatic Waterers. Dealers, salesmen, agents get details about our selling plan.

McCOLLOUGH'S, INC.
Box 198W Webster City, Iowa

"Thanks for basketball telecast"

Cards and letters poured into Wallaces' Farmer and Iowa Homestead after the farm paper paid $1500 to help get the final games of the Iowa high school girls basketball tournament on television. Below are a few of the comments.

To the Editor: Thanks so much for making it possible for us to see the girls' basketball games. We are basketball fans but are getting up in years and don't go out at night much.

It was such a pleasure to sit and watch the games over TV. We did appreciate it.—Mrs. C. L. Hyland, Polk county, Iowa.

* * * *

It was a nice surprise to hear over our local radio station that you had made the donation so we could view the final basketball games over TV. We really enjoyed the games and know many others did too.—Mrs. W. B. Tindle, Union county, Iowa.

* * * *

My sincere gratitude for making it possible for us all to see the finals of the girls' basketball tournament. I enjoy your paper very much and always feel I get some benefit from every issue . . . Now I will remember each time I read it about your service to the people of Iowa. —Paul R. Miller, Madison county, Iowa.

* * * *

Thank you from the bottom of my heart . . . You certainly earned a lot of good will by picking up the check for this outstanding sport spectacle. — Fred Scharf, Webster county, Iowa.

* * * *

I think your paper did a marvelous job by making it possible for WOI-TV to televise the finals of the state girls tournament. My family as well as many other farmers here in Orange township really enjoyed watching the games.—Shirley Putney, Black Hawk county, Iowa.

* * * *

Thanks for the ball game. It would have been a crime for us all to have missed it. You even were extra modest about your spot announcements.—Mr. and Mrs. Erwin Lepper, Hardin county, Iowa.

* * * *

We want you to know we thoroly enjoyed the telecast of the tournament. It was impossible for us to attend due to little pigs and farm chores, and since our Goldfield team was in the game, we were awfully glad to be able to watch it on television. —Mr. and Mrs. Don B. Martin, Wright county, Iowa.

* * * *

I always knew Wallaces' Farmer and Iowa Homestead had the best at heart for rural folks, and now I'm thoroly convinced. We sure enjoyed the girls' basketball finals.—Mr. and Mrs. Emil D. Rickert, Tama county, Iowa.

POTASH . . . the quality element in your fertilizer

side by side tests:

Prove it pays to go heavy on potash

High corn yields; heavy, well-filled ears; reduced insect and disease damage; less lodging; greater feeding value—these are the many ways corn responds to *correct* amounts of Potash. Root, leaf and stalk development is more rapid, more sturdy. When readily available, Potash also exerts a balancing effect on nitrogen and phosphorus in the soil. Make sure your fertilizer contains enough Potash. Consult your local agricultural adviser for correct amounts. But remember, a *low* Potash level means a *low* income level.

SEND FOR THIS FREE BOOKLET

It shows in full color potash deficiency symptoms in field, vegetable and fruit crops. For your free copy write to address below.

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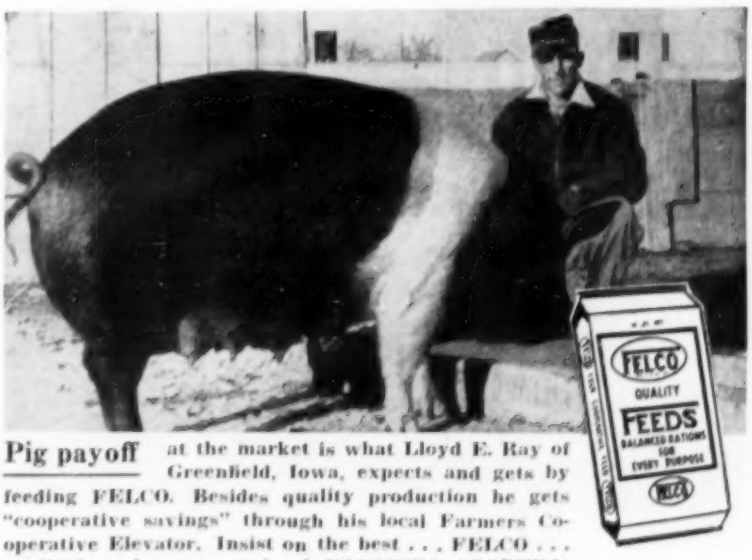

Pig payoff at the market is what Lloyd E. Ray of Greenfield, Iowa, expects and gets by feeding FELCO. Besides quality production he gets "cooperative savings" through his local Farmers Cooperative Elevator. Insist on the best . . . FELCO . . . available only at your local FARMERS COOPERATIVE ELEVATOR.

There's still time...*if you hurry*

TO GET...

SWIFT'S SKY-HI LAYERS

1. Hybrid vigor
2. Early maturity
3. High livability
4. Excellent, sustained egg production
5. Less feed per dozen eggs

SWIFT'S GOLDEN NECK LAYERS

1. Extra hybrid vigor
2. Fast maturity
3. High adult livability
4. Excellent egg production
5. Fine meat quality—both males and females

Here's good news if you want to step up to a high-producing flock of Swift's Sky-Hi or Golden Neck Layers this year. Order now and get four-week delivery of Swift's Layer-Chicks.

Advance orders are to your advantage and ours: 1. *You* are assured delivery on the Golden Neck or Sky-Hi chicks. 2. We are able to schedule our hatches efficiently and offer better service.

SKY-HI's, for example, are medium-sized layers. Numbers 310, 312 and 314 are tailored to fit your needs. Their vigor and breeding mean top egg production under good care. They're white birds, with quality flecks of black or red—fast-feathering, and have excellent livability. Sky-Hi Layers consume 5 to 10 percent less feed than heavy breeds, yet maintain *high* average egg production.

GOLDEN NECK LAYERS, earn money two ways—from high egg production, and as meat producers—two types to fit your needs. The Golden Neck was developed by Swift from selected strains adapted to this region's farms—the pick of the nation's bloodlines. They're fast-maturing and have high adult livability.

Order your SWIFT'S Layers now. Then you'll be sure to have a houseful of productive Sky-Hi or Golden Neck Layers next fall and winter.

Call your nearest SWIFT'S Hatcheryman listed below. He'll give you full information on the above layers. He also will have available white Leghorns and popular dual-purpose breeds.

FREE BOOKLET gives complete description of these beautiful, high-production layers—in full color. Write for a copy or see your Swift's Hatcheryman.

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1855 CENTENNIAL 1955
TO SERVE YOUR FARM AND FAMILY BETTER

"Golden Neck" and "Sky-Hi" are Swift's trademarks.

For the Name of your Swift's Chick dealer contact any of these Hatcheries

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CRESTON, Iowa
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HAMPTON, Iowa
IOWA FALLS, Iowa
KEOKUK, Iowa
MUSCATINE, Iowa
OTTUMWA, Iowa
SPENCER, Iowa
MASON CITY, Iowa

The Farm Flock

RECORD RATE OF LAY of 14.8 eggs per layer was set in January of this year. This is an average of all hens in the U. S. The 10-year average Januray production is 12.2 eggs per layer. The 1954 production for January was 14.3 eggs.

▼ ▼ ▼

FARM FLOCKS in the U. S. laid 5,771 million eggs in January. This was a record high, five percent above a year ago and 20 percent above the 1944-53 average.

▼ ▼ ▼

POTENTIAL LAYERS on farms February 1 totaled about 400 million—one percent more than a year earlier but four percent below the average. Potential layers include hens and pullets of laying age and pullets not yet of laying age.

▼ ▼ ▼

PRICES RECEIVED for eggs in mid-January by farmers averaged 32.2 cents per dozen, compared with 46.3 cents per dozen at the same time last year. Prices at the end of the month were four to eight cents per dozen higher than at the start of the month.

▼ ▼ ▼

LAYERS WILL NEED special care if you expect them to make a profit this spring. Egg production will probably be up, and prices may go lower.

▼ ▼ ▼

HOW LONG has it been since you culled your laying flock? Culling should be done constantly. With low egg prices, you can't afford to feed a hen unless she lays at least 65 eggs every 100 days.

▼ ▼ ▼

CHICK ORDERS are low which indicates that some poultrymen have decided to get out of the egg business or to keep over their present layers or that they intend to buy later chicks.

▼ ▼ ▼

INCOME FROM farm flocks that is often overlooked is from the sale of feed sacks, eggs and chickens which are used at home. Another minor source of income from farm flocks is the manure which is spread on the farm.

▼ ▼ ▼

CHICKS NEED GRIT if you expect them to get the maximum benefit from their feed. You can get small grit for baby chicks. Grit size should be increased as the chicks get older.

▼ ▼ ▼

BROODER TEMPERATURE should be regulated to suit the chick. Temperature should be kept at the point where the chicks appear to be comfortable.

▼ ▼ ▼

SOME EGG PRODUCERS in New York and other eastern states planted more wheat than their allotments. The government has assessed a penalty of $1.12 per bushel as the law specifies. But some of them refused to pay the penalty since they planted the wheat to feed to their laying flocks. At least one New York poultryman is pushing for a court test to see if the law is constitutional.

better chicks bigger checks

start them *right* on

DR. SALSBURY'S
Ren-O-Sal
Drinking Water Tablets

PREVENTS COCCIDIOSIS!
In proper dosage, Ren-O-Sal prevents spread of cecal coccidiosis. Helps birds overcome "disease burden." Saves death, stunting and feed losses.

STIMULATES GROWTH!
Ren-O-Sal helps chicks mature sooner, lay up to 15 days earlier. Continuous use develops added vitality to lay up to 12 extra eggs per hen.

Start chicks, *keep* hens on Ren-O-Sal. Buy today!

Dr. Salsbury's Laboratories, Charles City, Iowa

When you need poultry medicines, ask for Dr. SALSBURY'S

YOUR CHILD MAY HAVE PIN-WORMS
1 OUT OF 3 DOES!

Fidgeting, nose-picking and a tormenting rectal itch are often telltale signs of Pin-Worms . . . ugly parasites that medical experts say infest *one out of every three* persons examined. Entire families may be victims and not know it.

To get rid of Pin-Worms, these pests must not only be killed, but killed in the large intestine where they live and multiply. That's exactly what **Jayne's P-W** tablets do . . . and here's how they do it:

First—a scientific coating carries the tablets into the bowels before they dissolve. *Then*—**Jayne's** modern, medically-approved ingredient goes right to work—*kills* Pin-Worms quickly and easily.

Don't take chances with this dangerous, highly contagious condition. Get *genuine* **Jayne's P-W Vermifuge** . . . small, easy-to-take tablets . . . *special sizes* for children and adults. Perfected by Dr. D. Jayne & Son, specialists in worm remedies for 100 years.

JAYNE'S P-W for PIN-WORMS

GOSLINGS Hatching several breeds suitable for breeding, marketing, weeding. Safe arrival guaranteed. Write for FREE catalogue. HARLESS HATCHERY, SHELBYVILLE, ILL.

CAPONIZE COCKERELS CHEMICALLY. 100 Pellets, Implanter included, $2.00. Success Guaranteed. Circular Free. MAJORS PRODUCE, MANHATTAN 32, KAN.

BUSH'S CHICK SALE Barks, Reds, Wyand. Buff Orpingtons, Minorcas, Leghs, Austra Whites, Sussex AAAA Shortlegs $9.95. Pullets $12.95. Roosters $5.95. Mixed $4.95. Leftovers $3.95. Big Cuts, Crossbreds, Sex Breeds f.o.b. Free catalog. BUSH HATCHERIES, 67, CLINTON, MISSOURI

When writing to advertisers, will you please mention this paper.

This chick may grow up to be a layer. Or it may die of disease. Like the chicks you are raising this spring, the future of this chick depends on how well it is fed, watered, and housed.

Test new ways to brood chicks

TWO NEW systems of brooding chicks have been developed by research workers. One uses radiant heat; the other, heat lamps.

The radiant heating system is being used by broiler raisers in Connecticut. An automatic oil fired furnace supplies the heat. But the entire air circulating system is enclosed.

The hot air is circulated thru triangular ducts to chicks under the hover. Triangular ducts are used because they have more surface area and give off more heat.

The air is returned to the furnace for reheating after it passed thru the hovers. Since the entire system is "closed," no dust gets into the furnace or pipes.

The radiant heating system is proving that it can handle the normal number of chicks in a standard Connecticut brooding house with minimum of fuel and labor.

During tests last winter, temperatures dropped to 10 degrees below zero. The radiant heating system brooded 40 chicks for every foot of duct. Fuel cost was 1.5 to 2.3 cents per chick.

Brooding with heat lamps has been studied at Purdue university by J. G. Taylor. Big problem in brooding with heat lamps has been regulating the heat.

Heat lamps give off radiant heat directly to the chicks. Brooder house air is warmed only incidentally. Amount of radiant heat needed to keep chicks comfortable depends on the air temperature.

But the usual thermostats aren't designed to register radiant heat. So they are usually put outside the brooder. There they switch on and off according to temperature of the air.

The usual thermostat works fine under two conditions: At low temperatures when all lamps are on, and at high temperatures when all lamps are off.

At in-between temperatures, chicks are often either too hot or too cold.

But heat lamp brooder temperature can be controlled by a method worked out by Taylor at Purdue. He developed what is called a "proportional temperature" system that operates the heat lamps intermittently except when temperatures are very high or very low.

For example, the lamps would be off at an air temperature of 94 degrees; on ten seconds and off 50 seconds at 84 degrees; on 30 seconds and off 30 seconds at 64 degrees; on 45 and off 15 seconds at 49 degrees; and on continually if temperature gets down to 34 degrees or lower.

The off-on ratio can be altered to provide the right amount of heat, depending on the location, number and wattage of the lamps.

Another brooder study now being made is on the use of plastic hovers for infra-red brooding. Transparent hovers save considerable heat. And they don't interfere with one of the advantages of infra-red brooding—chicks are always visible under the hover.

CORN COBS make good litter for the laying house. And cobs are available to all midwest farmers. Crushed cobs make better litter than whole cobs. Some U. S. poultrymen have to buy moss or other commercial litter for their laying and brooding houses. Midwest poultrymen can use cobs thus eliminating this expense.

POULTRY consume about 2¼ lbs. of water to every pound of feed.

SAFE readily available WATER always clean and fresh BUILDS fine . . . fast growing HEAVY birds and profitable LAYERS more economically

. . . Keep Poultry Drinking Water CLEAN, FRESH and SAFE to the last drop with HILLTOP'S K-M

THE NO. 1 ECONOMICAL POULTRY DRINKING WATER MEDICINAL

K-M Kills germs of Typhoid, Paratyphoid, Pullorum and Cholera in contaminated poultry drinking water.

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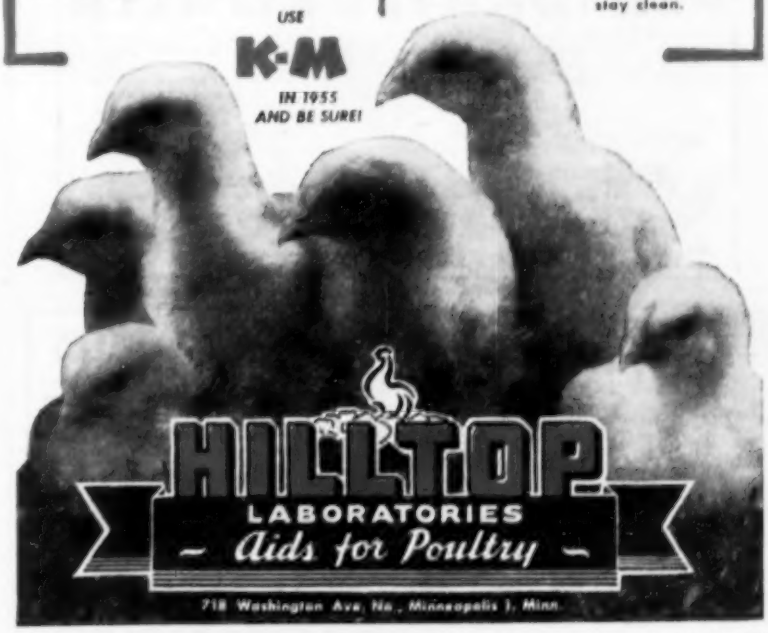

SOLD AT LEADING HATCHERIES AND FEED DEALERS!

WILL BIG WINDS DAMAGE YOUR PROPERTY THIS YEAR?

Big winds will damage Iowa farm property in 1955 to the tune of many thousands of dollars. Will your farm be a wind statistic this year? You can help prevent wind damage to your property by making necessary repairs to your buildings NOW! Tomorrow may be too late! Iowa Mutual Tornado and its cooperating County Mutual Fire and Lightning Associations now offer separate or combination policies — to suit your individual needs.

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Hubbell Building, Des Moines 8, Iowa

More than $1,500,000,000 insurance in force

Which way to feed your hens?

No one method of feeding chickens is the best for all situations, says Don Bray, poultry specialist at the University of Illinois.

Each of several feeding programs has some merit. The one you use depends on your own situation.

The most common method on Illinois farms makes a high-protein mash available to the hens at all times. Grain is added one or more times a day in the litter, in separate hoppers or on top of the mash. It's a good way to regulate the consumption of grain and mash without home-mixing your feed.

In the free-choice mash-grain program, the hens get mash and farm grains free-choice all the time. This program is fine for flocks that are bred and managed for high production. Hens from low-producing strains may eat too much grain and get too fat.

It is important that the hens get grain and mash in the right proportions to get a protein content in the total ration of about 15 to 16 percent.

An all-mash program is also used. You can't use home-grown grains in this ration unless you mix on your farm. The mash should have 15 to 16 percent protein.

Whichever feeding program you choose, make sure your hens don't get too fat or too thin. Make as much use as possible of your own grains and prevent feed wastage. Make sure you are feeding a complete ration.

Winter Increases Poultry Disease

Respiratory diseases of farm flocks increase during the winter, says Ted Hartung, extension poultryman at Colorado A. & M. College.

Drafts and poor insulation usually cause the increase in disease. The cold lowers birds' resistance to respiratory diseases.

You can use the daily feed consumption as an index to the disease increase. A drop in feed consumption usually means an increase in disease.

As a guide, Hartung offers these general rates of feed consumption:

One hundred light birds at 50 percent production should be eating about 26 pounds of feed per day. For each 10 percent improvement in production, their feed consumption should increase one pound per day.

In the case of heavy hens, 100 birds should eat about 28 pounds feed when they're at 50 percent production. And for each 10 percent increase in production, they'll eat about one more pound feed per day.

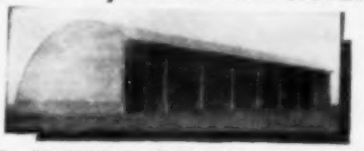
That extra pound of feed you can get your hens to eat each day will usually be a good investment.

YOU CAN'T PUSH yourself forward by patting yourself on the back.—Decorah Journal.

HERE'S A LOW COST FARM BUILDING

of many uses!

Build it yourself and SAVE!



This LESTER'S ⅝ ARCH UTILITY BUILDING has year 'round uses—bale or machinery storage, stock shelter, repair shop, garage. Fast, easy erection with LESTER'S LAMINATED RAFTERS. (Doors are available.)

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Raising Baby Chicks

Mrs. C. M. Bradshaw, Diagonal, Ia., says: "I have been using Walko Tablets for 35 years with splendid results. I would not think of trying to raise Baby Chicks without them. I also use them for my grown birds with the same satisfaction."

You Run No Risk

Buy a package of Walko Tablets today at your druggist or poultry supply dealer. Use them in the drinking water to aid in preventing the spread of disease through contaminated water. Satisfy yourself as have thousands of others who depend upon Walko Tablets year after year in raising their baby chicks. You buy Walko Tablets at our risk. We guarantee to refund your money promptly if you are not entirely satisfied with results. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Sent direct postpaid if your dealer cannot supply you. Price 60c, $1.20, $2.50 and $4.00.

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Guaranteed to do your lawn and weed mowing to your satisfaction. If not 100% satisfied after 3 days trial return for full cash refund including frgt. charges.

Cuts smoother and cuts more volume per horsepower with replaceable SAFETY blades at only 10c each.

Our mass production gives high quality and top performance at lowest prices. See your ROTA - ZIP dealer or write for FREE folder and prices on all models.

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Higher egg prices will pay you well to get your flock back to full production immediately. Corn King brand SuperCharger will pep up your flock — boost egg production to 70% in 10 days to 2 weeks! Get low cost SuperCharger — 2 lb. package only $1.95 — from your dealer or write direct.

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CASH FOR FEATHER BEDS. NEW AND OLD FEATHERS—goose or duck wanted right now! We give you top prices and allow you 5c extra per pound for shipping charges, and return your ticking, if desired. For complete shipping instructions with free tags mail small sample of your feathers in ordinary envelope to: **Northwestern Feather Company, Department 8, 212 Scribner, Northwest, Grand Rapids 4, Michigan.**

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BE SURE THE RATION *INCLUDES*

DEHYDRATED ALFALFA

Tests at many agricultural colleges have proved that the unidentified growth factor(s) found in DEHYDRATED ALFALFA is one of the most important health and growth promoting factors among the several found in most poultry rations. It has also been proved that it is the most economical natural source of Vitamin K, the most important natural source of Carotene (pro Vitamin A), and the most outstanding natural source of Vitamin E, the fertility vitamin. Be sure the poultry ration you feed contains PROTECTIVE DEHYDRATED ALFALFA for increased production and health needs.

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Lang's Alfalfa Farms, Grinnell, Iowa
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DUCK-GOOSE BOOK, 25c

Illustrated. How to raise, best markets (including feathers). Big waterfowl profits. Geese used as "weeders," too. Available: Mallard, Rouen, Buff, Swedish Blue, Muscovy, Giant White Pekin Indian Runner Ducklings. Toulouse, Emden, Chinese, African Goslings. Also chicks, Poults. Prices free.

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THREE MINUTE EGG WASHER

Only $15.95 complete. Washes ½ case eggs in three minutes. Satisfaction guaranteed. Already in use in 48 states and foreign countries. Write or order today. **3 MINUTE EGG WASHER, INC., Box 720-W, St. Cloud, Minnesota.**

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BBB husky, healthy poults from our hospital clean hatchery. 100% live delivery. Breeders chosen from 60,000 raised on our farms. U.S. Approved & Pullorum-Typhoid Clean. Eggs available. Write for folder.

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Keep Teat Open
Keep It Healing
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Scab teats, teats that have been stepped on, cut or bruised—Dr. Naylor's Medicated Teat Dilators provide antiseptic, non-irritating support to delicate lining of teat canal and keep end of teat open in its natural shape while tissues heal. At Drug and Farm stores or by mail postpaid.

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Large pkg. $1.00 (45 Dilators)
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Sta-Dri Wind Vane Feeders

Sta-Dri Feeders turn easily in the slightest breeze, always face away from the Wind, Rain and Snow . . . preventing feed, salt or mineral loss from blowing, washing or dissolving . . . Keeps feed dry.

EASILY INSTALLED

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AGRI-LAB-INC

Excuse us, please!

Wallace's Farmer, issue of February 20th, contained a half page advertisement for LEGUME-AID inoculant. In this advertisement, the following names of dealers who handle LEGUME-AID were either spelled wrongly or omitted entirely. We here print these names and addresses correctly, with apologies both to the dealers themselves and the readers of this excellent farm paper.

ADEL—Vern Danilson Co.
BLENCOE—Blencoe Coop. Co.
CRESTON—Farmers Coop. Elev.
EAGLE GROVE—Glenn Williams
EARLY—Early Coop. Grain Co.
ELDORA—Hadley Grain Co.
ESTHERVILLE—A. B. Rosenberger
EVERLY—Farmers Coop. Elev.
EWART—Johnson Elevator
OCHEYEDAN—Ocheyedan Grain Corp.
PETERSON—Peterson Coop. Elevator
TRURO—Reed Produce & Feed Co.
WHITING—Landgren Seed Company
WILLIAMSBURG—Winborns Hatchery

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1147 Chesapeake Avenue, Columbus 16, Ohio

LEGUME-AID

SALESMEN
MAKE $75-$200 WEEKLY

Dealers, farmers, agents demonstrate, take orders, new proven nationally advertised Gro-Green Liquid Fertilizer and Nitrogen Nutrients. Full—part time. Prospects everywhere.

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GET BETTER KIND OF PACKING EASY AT LOW COST with Wilberg Packers. Built in sizes from 24 inches to 24 feet wide. Write for circulars and prices today. **Wilberg Plow Attachment Co., Valley City, N. D.**

FULL HYDRAULIC rubber tire farm disc. Regular price $385, demonstrator or shop worn 1954 models, 8, 9, 10 foot, $360. Write or phone. **KINGTON MFG. COMPANY, ROSEVILLE, ILL.**

Check cribbed CORN for moisture

HOW much moisture in your cribbed corn? Now's the time to check up—especially if your corn was high in moisture last fall. Wet corn will start spoiling as weather gets warmer.

Most farmers will find their corn in good condition. But some corn in northern Iowa and Minnesota was high in moisture when cribbed. And part of that corn still is too wet for safe storage.

Cribbed corn didn't dry out thru the winter as much as during some winters. Damp weather gets the blame.

And the Iowa ASC office reports that some corn still fails to meet the moisture requirement for government loan eligibility.

How much moisture can corn carry—and still keep thru the summer? Requirements for sealing corn under government loan are a good guide.

To be eligible for government loan, corn must contain no more than 19 percent moisture during March. In April, the moisture content must be down to 17.5 percent. And during May, corn must carry no more than 15.5 percent moisture to be eligible for sealing.

So if your corn can't meet those requirements, better do something about it. What can you do?

"Missouri truckers are picking up a lot of the wet corn around this area," reports C. J. Flick, Chickasaw county, Iowa, ASC office manager. "Most of it will be moved or fed up by warm weather."

Flick's report pretty well describes the action that most farmers with wet corn are taking. A spot check across northern Iowa indicates little concern over the corn moisture question. ASC office managers and county extension directors say there isn't a lot of wet corn left. And they expect it to be sold or fed before warm weather.

But maybe you want to keep your high moisture corn on your farm—possibly put it under government seal. Deadline for sealing corn is May 31. So there's still plenty of time to get it dried out.

Custom dryers are available in most neighborhoods. And you can't afford to let corn spoil or sell at a heavy moisture dock when drying would put it in good condition.

Moving corn may help you—especially if it's just above the safe storage moisture level. Moisture content can be lowered several percent just by changing corn from one crib to another on a drying day.

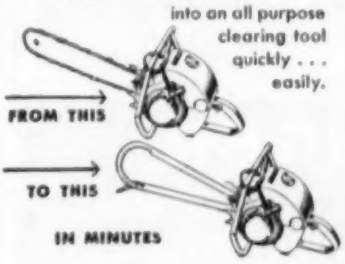
Main point is this: Don't get caught with a batch of rotting corn when the heavy farming season is upon you. Check your corn moisture now. And if it's wet, you have plenty of time to take care of it.

New HOMELITE ATTACHMENT takes the back-break out of clearing

- Land Clearing
- Clears Hedge Rows
- Cuts Fence Posts
- Fells Weed Trees
- Prunes Even Large Limbs

This lightweight, easy-to-handle clearing tool eliminates most of the bending and stooping in clearing. The new, low-cost clearing attachment can be fitted on the Model 17 Homelite saw in a matter of minutes . . . slices through limbs, weed trees or hedge rows like a sharp knife through butter. Fast, light and virtually trouble-free in operation, it is a wonderful work saver around any farm.

Convert your Homelite Model 17 Chain Saw into an all purpose clearing tool quickly . . . easily.



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The origin of waterless seed inoculation

A farmer believed in inoculating legumes so his crops could obtain free nitrogen from the air, instead of depleting the soil. But he disliked to wet seeds before putting them through the drill — particularly soybeans. Observing that the fine textured, smooth flowing humus base of LEGUME-AID visibly covers and clings to dry seed, he applied this potent inoculant without first moistening the seed. His planting prospered. The roots showed excellent nodulation — proving that the live, active, nitrogen-fixing bacteria so plentifully supplied by time tested LEGUME-AID go promptly to work, whether seeds are wet or dry.

The man who originated dry inoculation used LEGUME-AID. Thousands who follow his example every year also insist on this thoroughly proven inoculant for clover, alfalfa, soybeans and all other legumes. Ask your regular seed dealer for LEGUME-AID.

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the inoculant **LEGUME-AID** *in the carton*

NOW'S THE TIME TO SWITCH, TO *HIGH ANALYSIS, LOW COST* LIQUID MIXED FERTILIZERS

SAFE, EASY TO APPLY—USE YOUR WEED SPRAYER

Non-corrosive . . . no pressure! No special equipment to buy. Just spray it on with your regular weed sprayer. Nothing to add . . . apply it as it comes. You can mix it with aldrin, heptachlor or BHC as you need.

NUTRIENTS IMMEDIATELY AVAILABLE!

No need to wait for a rain. The liquid fertilizer provides immediately available nutrients for your plants.

SAVES TIME, MONEY, AND WORK!

You can spray liquid fertilizer at the same time, when plowing, planting or cultivating. No bags to lift or burn. No storage problems. No loss through evaporation.

15-15-0, 8-24-0, 5-10-10, AND MANY OTHERS

You have a wide choice of numbers . . . NITROGEN . . . PHOSPHATE . . . POTASH. All non-corrosive.

For information, write or visit IOWA MASTER BREEDERS, Bulk Distributors for Iowa, Nebraska, and South Dakota, or SEE YOUR LOCAL DEALER.

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KRAUSE *wheel mounted* **tandem disc harrow**

TO MASTER the toughest jobs – and help you do all harrowing faster and better – here is the Krause Tandem Disc Harrow. Wheel-mounted for easy moving and precise depth control, it pulls easier and covers more ground behind any tractor. Precise leveling and disc angle adjustments give you unequalled control – for smooth, level, uniform depth seedbeds. Tractor or hand hydraulic or easy manual lift speeds every job. Heavy-duty construction, with square box frame and oversize metal bearings, keeps your Krause at work for many years with minimum upkeep, outlasting several ordinary harrows. Heavy-duty scrapers or trash guards optional. Models for every farm and soil, with discs from 16" to 22" size.

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"Old-timers write . . ."

Farm In Family Since 1849

To the Editor: In 1846, the land we are now farming was granted to another person. Then in 1849, the place was purchased by my grandfather. And it has been in the same family since. The farm now belongs to a grandson of the same name that the place has carried since September 5, 1849. This family farm in the fall will be 106 years old.—Mrs. George Mackey, Andrew county, Mo.

He Worked With Shaving Horse

To the Editor: I see in Wallaces' Farmer and Iowa Homestead where Mr. Harry Clayberg asked if any reader has ever seen a shaving horse. I have helped my grandfather use one many times. I have a draw knife that he used to make shingles on the shaving horse.

We have his old flail with which he used to flail out wheat. This is 'way over 100 years old. —Clarence A. Leppo, Sr., Carroll county, Maryland.

She Has Many Pioneer Relics

To the Editor: This farm upon which I am now living was bought from the government in April, 1843. There have been five generations living here.

I am of the third generation, now in my 80th year, and back on the farm for the second time.

The main part of the original barn is still in use. It was built around 1856 from native lumber with hewn timbers, which are mortised and pegged in place.

The original log house of three rooms and a loose floor attic was torn down in 1899. But we have many antiques from an older day. I might mention an old lantern and candle like the one Mr. Hunt is showing on page nine of the January 1st issue of Wallaces' Farmer and Iowa Homestead. We have a mahogany bureau more than 300 years old, spinning wheels, carders, muzzle-loading shotguns, broadaxe and many more.

My father, George Leuty, kept a daily diary from 1875 to 1928, the year of his death. He took the Iowa Homestead as far back as I can remember.—Zula M. Prunty, Marion county, Iowa.

A Reader For 65 Years

To the Editor: I can't quite make 70 years of reading your paper, but I can come up to 65 years. I am going thru my 89th winter in Iowa and have taken the Iowa Homestead for 65 of those years.

I didn't get much schooling in those early years. I waded thru the snow for a mile and a quarter with a lunch frozen solid when I got there. There was a three-months' winter term and a two-months' spring and fall term in those days. We didn't have any busses or hot lunches.—W. H. Pfander, Taylor county, Iowa.

The POST that gives you MOST!

With a 100-to-1* Guarantee to prove it

Most EFFICIENT—easy to drive . . . makes fence building a simple one-man job.

Most STRENGTH—rolled from tough rail steel and reinforced on all four sides.

Most RIGIDITY—only Gold Crowns have shrunk-on Anchor Plates—no rivets—no holes—no welding.

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Most BEAUTY—Double baked green enamel finish with attractive Gold Crown.

Most SATISFACTION—Ask any farmer who has used them. He will show that pride and satisfaction which come from having the best at no extra cost.

Get the MOST for your money—buy Gold Crown Steel Fence Posts—*The Best in the Field.*

***100 POSTS FREE**

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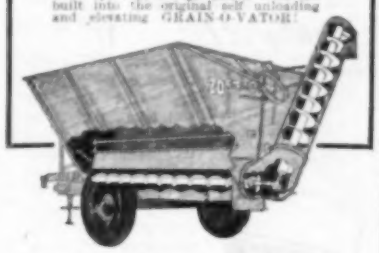
Yes! Quality, Design and Service are built into the original self unloading and elevating GRAIN-O-VATOR!



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SO SIMPLE A CHILD CAN OPERATE IT!
E-Z Sharp Disc Sharpener will put a real cutting edge on any disc tiller or one-way plow, right on the job. E-Z Sharp eliminates long delays, disassembling, lost time and will do the sharpening job at a fraction of the cost of usual sharpening methods. Save money, labor, time and fuel with E-Z Sharp Disc Sharpener. Send check or M. O. today, or write for more information to:
E-Z SHARP CO.
Dept. WF Arnolds Park, Iowa

NEW! IOWA SUCTION BLOWER

BIGGER performance at LOWEST Cost! Tested and proven BEST by most rugged use Iowa farms could give it.

● Unloads 3 tons corn silage in 8 to 10 minutes! Also long hay, straw, etc. No-clog pipes. Rubber or steel flexible intake. Long sweeping elbow for GREATER SUCTION.

Choice territories still open. DEALERS, DISTRIBUTORS, WRITE.

2 SIZES: LARGE Iowa Blower, SMALL Cizek Blower. Belt, P.T.O., engine models.
Also Cizek Hog Handlers, "Little John" Lawn Tractors. (Assemble it yourself kit.)

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MOVE SOIL for as little as 4 1/2 ¢ CU. YD.

SAVE! — Level your own fields, build terraces, dams, fill gullies, maintain ditches. HELP CONSERVE MOISTURE! Improved design—front pick-up, rear dump. Leveling rear gate spreads dirt as desired. 7 models—1 to 3½ cu. yds., sizes for all tractors.

FREE FOLDER, full details, money-saving prices, name of nearest dealer. Rush card today!

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Automatically feed your cattle any silage, even frozen. No hand labor! Summer feed grass, double income per acre. Fully dependable. Write for proof self feeding works perfectly now.

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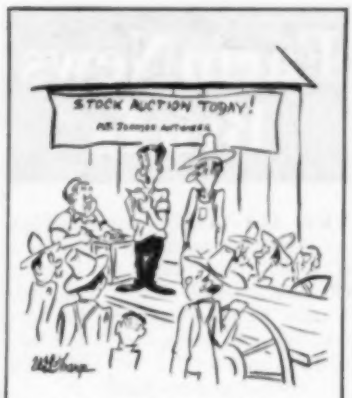

"Now gentlemen, what am I offered for a sweet-natured, 180-pound . . . woman?"

Feed Stilbestrol On Pasture?

Iowa State College experiments indicate that it'll pay to feed stilbestrol to fattening cattle on pasture if some grain also is fed.

But Dr. Wise Burroughs, college cattle feeding researcher, says he doesn't know whether it will pay to feed stilbestrol on pasture when no grain is fed to cattle.

Cattle on pasture seem to need about half as much stilbestrol per head as cattle in dry lot. This probably is because cattle get natural estrogens from the grass, Burroughs explains.

No breeding stock of any kind should receive stilbestrol, the cattle feeding specialist warns.

Worms In Cattle Are Costly

You lose an average of $3 per head when cattle are infested with worms. That's the estimate of a University of Illinois veterinarian.

Worms seldom kill an animal, explains Dr. N. D. Levine. But they feed on an animal's blood. When large numbers build up, they cause trouble.

Keep worms under control by rotating pastures and by not overstocking or overgrazing, the Illinois veterinarian advises.

There are two methods of treating worms in cattle. One is continuous feeding of phenothiazine at low levels. The other is a dose treatment using phenothiazine at heavier rates. Doses are given 21 days apart.

Windbreak Attracts Wildlife

If you like to hunt in winter, or if you like song birds around in the summer, a farm windbreak will help.

W. F. Bulkley, forester at the Illinois College of Agriculture, points to these extra advantages of farm windbreaks. A good windbreak also makes for more comfortable choring, protects livestock and helps lower fuel bills.

You won't have to wait long for birds to move in after you plant your windbreak. Ground-nesting birds like quail, meadow larks, and song sparrows soon move in.

In four or five years, tree-nesting birds will move in—wood thrush, cardinals, mourning doves, etc.

Pheasants like the protection of windbreaks. And rabbits move in to provide winter hunting.

Timberib grain storage is a sound investment which pays off in low cost storage. Timberib's engineered construction offers effective protection against weevils, rodents, mildew. Prefabricated and erected in a fraction of the time required by old-fashioned construction, it gives you a permanent, trouble-free structure at lower cost than any comparable building.

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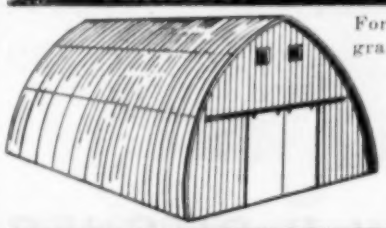

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USE DR. MAYFIELD'S
HOG TABLETS—For Scours (Swine Dysentery)
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Roll and unroll barbed wire, electric fence wire, corn planter wire—with tractor power and speed. Operates either from stationary position or at tractor speeds up to 15 M.P.H. Heavy duty slip clutch keeps wire tight. Roll of wire, easily removed—no extra spools required. Adaptable to nearly all tractors including Ford and Ferguson. Indispensable to any farmer who has used it.

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BUY SAVINGS BONDS—THEY WILL HELP YOU LATER—BUY ALL YOU CAN—NOW!

Hydraulic **Wagon Trailer Bolster HOIST**

10,000 lbs. capacity

$118.50

F.O.B. Factory

Here is the compact, sturdy, powerful wagon-trailer hoist with an amazing low cost that you have been waiting for to save shoveling and unloading time. It is installed on any standard wagon gear and is adaptable for 10 or 12 ft. flare or barge type boxes. It adds very little weight to the wagon yet is so heavily built with all-welded construction, it outlasts the wagon. Lifts any load high enough for fast unloading and "bumps" the load when necessary. Simplified design and mass production methods make such an amazing low price possible. Every farmer who sees the MIDWEST BOLSTER HOIST in operation says "there is nothing like it for ease of operation and all around dependability". See it at your dealers or write.

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Other Patents Pending

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Is Manufactured Only By Midwest

Midwest Bolster Hoist

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DIG YOUR OWN DITCHES

WITH YOUR OWN TRACTOR POWER

FOR TILING • LAYING PIPE, GAS, WATER AND SEWAGE LINES • DIGGING FOUNDATION TRENCHES

Photo shows Model 12 Pow-R-Ditcher. PTO driven with any farm tractor. Digs 10" to 14" ditch, 6 feet deep.

VERMEER POW-R-DITCHER

TILE YOUR FIELDS NOW!

Do your own digging and save money with the Vermeer POW-R-DITCHER — farm tested and proved over 4 years. Thousands in use! This rugged, economical, trailer-mounted ditcher is a one-man operation from the tractor seat. Actually pays for itself in one average tiling job. More Vermeer Pow-R-Ditchers are owned and operated by Iowa farmers than any other make. Extensively used on tiling jobs surveyed by PMA engineers. Simply hook onto drawbar and PTO. For level or rolling land. Ideal for construction crews and custom operators. Write for name of nearest dealer. FREE literature and low price.

Model 524T track-type self propelled Pow-R-Ditcher. Lowest priced BIG Ditcher on the market.

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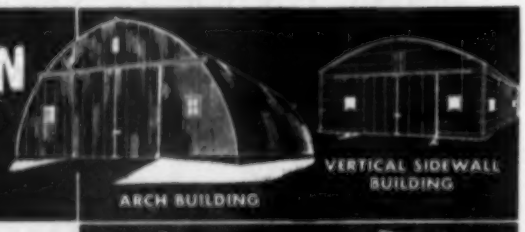

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Farm News Briefs

NEW ALL-TIME Iowa milk and butterfat producing champion is a Holstein owned by Ronald Chapman, Palo Alto county, Iowa. At 364 days, the 12-year-old cow had produced 28,812 lbs. of milk and 1,140.8 lbs. butterfat on twice a day milking.

▼ ▼ ▼

A LEADING oat variety in the midwest, Missouri 0-205, has been listed as "undesirable" by the Quaker Oats Company, the country's leading processor of oats for human consumption. The company described Missouri 0-205 as "unsuitable for milling." It is difficult to hull, according to Quaker Oats, and contains a lot of small thin oats.

▼ ▼ ▼

HELGENS BROS., Jones county, Iowa, showed the grand champion barrow at the Spring Market Hog Show at Cedar Rapids, Iowa. The champ was a 235-lb. Poland China barrow. Fred Breune & Son, Tama county, Iowa, had the champion trucklot with 10 purebred Yorkshires. Clarence Sueppel of Johnson county, Iowa, and Lyle Olson of Benton county, Iowa, showed the reserve champions.

▼ ▼ ▼

COMING EVENTS: Iowa RYP Assembly, Iowa State College, March 18-20; Fifth Annual Family Life Conference, Iowa State College, March 29-30; Spring Livestock Day, University of Missouri, Columbia, April 1; Institute of Animal Agriculture, Lafayette, Ind., April 14-15.

Grand champion individual at the Minnesota State Spring Barrow Show at Albert Lea, Minn., was shown by Ernest Klukow of Albert Lea. He won with a 210-lb. cross-bred barrow shown above.

Reserve champion barrow at the Minnesota State Spring Barrow Show was this 220-lb. Poland China shown by Brown and Brown, Hampton, Iowa.

YOUR LAWN MAY NEED LIME . . . *Now is the time to apply it!*

Calcium that is consumed in lawn growth and leached out of the soil by rain must be replaced. Snowflake Hydrated Lime provides a quick, easy way to restore this vital element . . . to neutralize acidity . . . to improve deep-root structure. Apply 50 lbs. per 1000 sq. ft. Get a finer lawn this year.

10 & 50-lb. Bags

256

ASH GROVE **Snowflake** HYDRATED LIME

NEW FARM HARROW!
51 Points of Superiority!
Safest . . . Faster . . . More Versatile!

Fixed or Spring Cushioned Tooth Set without mechanical change! Greatest efficiency ever attained in a Harrow!

- No clamps—no trash.
- Square, removable 4-way teeth. Long penetration taper, drop forge toughened steel.
- 6' x 3½' section for faster coverage. More uniform work. To cover behind 10' disc. Also 5'x3½' section.

It Isn't BROKEN . . . It's H-K's Famous 2-Way Hinge.

Safer, keeps harrow on ground on turns. Chain evener assembly. Instant 4 to 3 to 2 section set-ups. Folds 2 and 3 high and scissorwise.

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Dept. 1F, Bradford, Ill.

Hotchkiss Unloader — Original Jaeger Action Unloader

TRAK-TOR SPRAYER *by* **FARNAM**

Plenty of pressure and volume for spraying livestock, farm buildings, orchards or fence rows. —up to 350 lbs. pressure (4½ gal. per minute) at normal PTO speed.

COMPLETE KITS "Ready-To-Use"—Equipped with NYRO "Nylon-Roller" Pump, the tractor pump proved best for both performance and wear. Complete with all controls, gauges, hose, fittings and connections. The low-cost answer to your need for a high pressure sprayer for livestock and other uses!

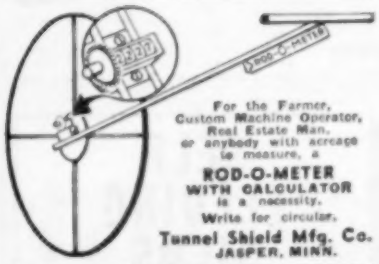
WRITE For Catalog showing variety of Trak-Tor Sprayers offered, also "Wide-Jet" Sprayers. All at new low prices! Also "30-Day Trial Plan". Write—

Farnam Co., Dept. T8-84, **Omaha, Nebr.**

McCulloch CHAIN SAW **Heavy Duty Model**

One Man Size. Plenty of power to fell and buck trees in a matter of seconds! 3 models, with blades from 14" to 36". *Ask your dealer, or write for illustrated bulletin.*

POWER TOOLS, Inc. 1731 University Ave. St. Paul 4, Minn.



For the Farmer, Custom Machine Operator, Real Estate Man, or anybody with acreage to measure, a

ROD-O-METER WITH CALCULATOR

is a necessity.

Write for circular.

Tunnel Shield Mfg. Co.
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38,000 Dealers Coast-to-Coast
Write for Free Bulletin "Care & Treatment of Septic Tanks"

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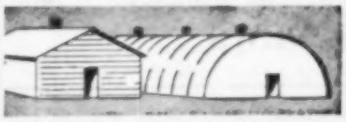

AIR-O-VATOR

Reduces Moisture . . . Stops Grain Spoilage!

Flow Heat Away and keep stored grain in top condition! Air-O-Vator runs "free as a breeze" on slightest wind! No motor to wear out or cost you money to operate! Spinner head exhausts up to 57,960 cu. ft. of hot air an hour in an 8 m.p.h. breeze!

Cools, Dries, Conditions corn, grain or other stored crops! Install on any storage crib or bin in an hour or less, whether *filled or empty!* Keeps out rain, takes out heat! Remember, Air-O-Vator guarantees results!

$112.50

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COMPLETE *Economy* FARROWING HOUSE

Ready to erect—Nothing else to buy or build!

Saves nearly 100% of pigs in every litter no matter how cold the weather. Many patented features including automatic feeders and waterers. Costs less than if built on your farm.

See Your Nearest Economy Dealer, or Write Direct

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Equipment Shown on BEARCAT 2A Mill

Attaches to most trailer-type P. T. O. Mills, Shellers, Grinders, etc. SAVES WORK — increases grinding capacity up to 20%. See your dealer or send for complete listings to Dept. WF.

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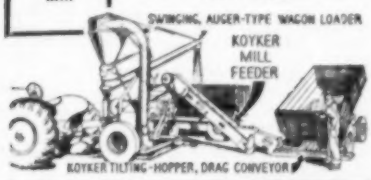

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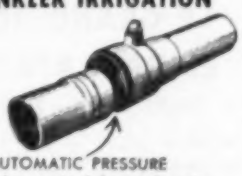
Streamlined McDowell COUPLINGS for SPRINKLER IRRIGATION

No hooks, latches or gadgets



PATENTED AUTOMATIC PRESSURE LOCK provides watertight seal automatically—at both high and low pressures

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McDowell—*The Best Coupling Made!*
Sizes 2" through 8"

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Pittsburgh 9, Pa.
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If You Stop Feeding Stilbestrol?

Suppose you've been feeding stilbestrol supplement to cattle. What happens if you quit feeding it?

No ill effects. The cattle will continue to gain as fast as if no stilbestrol had been fed—or faster.

That's indicated by a test conducted last summer and fall on the Western Iowa Experimental Farm under the direction of Dr. Wise Burroughs, Iowa State College cattle feeding researcher.

Part of the cattle on the western Iowa farm were fed stilbestrol during the winter of 1953-54. Last summer they were put in drylot and pasture feeding tests along with similar cattle that hadn't been getting stilbestrol. None of the cattle received any stilbestrol during the summer and fall feeding periods.

The cattle which had been wintered on stilbestrol went directly from winter feed with stilbestrol to the summer feed without stilbestrol. And they appeared to gain as fast as the other cattle from the start—or faster.

In this test, the stilbestrol-fed cattle gained a little faster and showed a little more profit than the other cattle. However, Burroughs cautions that these results are preliminary. More tests of this type are needed.

But Burroughs says the early results do indicate the following:

1. You need not hesitate to buy stilbestrol-fed cattle for finish fattening, even if you don't expect to use stilbestrol in the finishing period.

2. You need not hesitate to use stilbestrol in an early feeding period, even tho you may not continue the stilbestrol feed thru the entire feeding period.

3. On pasture, more gains can be expected if a stilbestrol supplement is fed, Burroughs says. But if stilbestrol feeding is discontinued when cattle go on pasture, summer gains will not be hurt by the previous use of stilbestrol.

Plan Pullet Range Now

Now is the time to plan your pullet range, advises the poultry department at Purdue University.

For growing pullets, good range can be worth as much as $50 per acre in terms of feed saved.

A permanent range such as ladino clover is most satisfactory for pullets, but it must be planned a year in advance.

Temporary ranges such as oats or rye grass can be seeded in early spring and give good forage a number of weeks. But they can't be depended on to make a thick sod or stay succulent during the summer.

A NEW electronic device uses ultraviolet rays to detect even low levels of green rot in eggs.

You'll See MORE CORNHUSKER Signs NEXT Summer!

Farmers who watched those outstanding fields marked with CORNHUSKER signs last year **will plant many more bushels of CORNHUSKER this year!**

They saw how CORNHUSKER Hybrids "took" drouth and corn borers . . . saw how they picked . . . and then saw the yields of high-quality sound corn—corn that shelled out far more than it measured. That's why more and more fields will be planted to CORNHUSKER.

CORNHUSKER'S superior corn breeding program, conducted **in the Western Corn Belt,** has developed the best possible hybrids for you . . . hybrids you are proud to grow . . . hybrids that make you more money.

For instance, in the 1954 Iowa Yield Tests, the newest CORNHUSKER numbers, 3X1 and 3X2, placed FIRST and SECOND in District 7; 3X1 placed FIRST in District 11!

Why don't YOU plant CORNHUSKER this year!

CORNHUSKER HYBRID CO., Fremont, Nebr.

SHOCK-RITE MODEL 80 ELECTRIC FENCER
(115 volts, 60 cycle, A.C.)

You'll never know such trouble-free livestock control until you use a SHOCK-RITE Model 80 Electric Fencer. Only SHOCK-RITE can offer you these advantages. Quick and easy pasture rotation . . . no more "back-breaking" post moving. Exclusive "Saf-tee" weed chopper clips weeds on contact. Weeds will not short your fence. Green and red lights flash to indicate proper working order . . . you can tell at a glance. Controls all stock by shock in any weather or soil condition . . . constant control, always. And, it costs only 10c per month to operate. Control your stock the easy way; see your SHOCK-RITE dealer today.

5 YEAR GUARANTEE ALL MODELS

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Please send me free literature about Shock-Rite Fencers.

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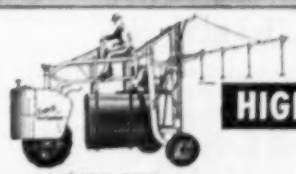
Protect and feed your crop from pre-emergence through maturity with



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POLLED HEREFORD SHOW & SALE

To be held on State Fairgrounds

ST. PAUL, MINNESOTA, TUESDAY, APRIL 5th

SHOW — 9:00 A. M. SALE — 1:00 P. M.

SELLING 60 SELECT POLLED HEREFORDS

22 BULLS — 38 FEMALES

Carefully selected for type, quality and breeding from 20 prominent Polled Hereford herds in Minnesota, Wisconsin, North and South Dakota.

A good group of bulls from which you can select herd bulls for breeders, commercial producers and farmers that will please. Blood lines that have produced some of the breed's best.

The females are a nice group to choose from that want to improve your herds. Plan to come early and see the show. Write today for the FREE catalog. Please mention this publication. Address

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IOWA

Polled Shorthorn Breeders

SHOW — 9:00 A. M. and SALE — 1:00 P. M.

Judge: George Edwards

Sale Pavilion on Highway No. 69

AMES, IOWA, TUESDAY, MARCH 29th

24 BULLS — 21 FEMALES

A splendid offering selected from leading herds, that produced many of last year's Champions. Outstanding bulls, reds and roans, most all ready for service, by great sires, excellent type and ideal quality. Herd Bull Prospects. The females, 10 cows and heifers mated to calve early, 11 top quality open heifers. Rich in breeding, pleasing in type and merit. You will want to attend. Ask now for FREE catalog. Kindly mention this publication. Address

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23rd Semi-Annual Show & Sale

Sponsored by

Northwest Missouri Shorthorn Breeders

Sale Pavilion

MARYVILLE, MO., MONDAY, MARCH 28th

SHOW — 9:00 A. M. SALE — 1:00 P. M.

Judge: Glen Struve, Manning, Iowa

30 BULLS — 25 FEMALES

Choice bulls ready for service, rich in best blood lines. Well-grown, rugged, the sort for herd sires. The females include cows and calves, desirable bred heifers, mated to top herd sires and attractive open heifers. MISSOURI has been producing QUALITY SHORTHORNS since 1841. Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address

DR. W. L. LANDFATHER, Secy., 412 W. 2d St., MARYVILLE, MO.

Auctioneer, J. E. Halsey

Our Consignment to the

NORTHEAST IOWA ANGUS BREEDERS SALE

CEDAR FALLS, IOWA

TUESDAY, MARCH 29th

5 HEAD—Featuring a Blackcap Bessie which will have a calf by sale day, rich in the best of Revolution breeding. Two Miss Burgess heifers, one bred to a Prince Eric bull, one open by an El-Jon bull. One Glyn Mawr Elba bred to the Prince Eric bull and a Eline heifer with calf at side by the El-Jon bull, bred to the Prince Eric bull. A consignment you will want to see.

VERNON C. HAMANN, VINTON, IOWA

LIVESTOCK NEWS

An overflow crowd of **Angus** boosters and breeders were on hand at the Des Moines River Valley **Angus** sale at Boone, Iowa, March 3.

26 bulls averaged $493
81 females averaged $351
107 lots averaged $385

Enoch and Bob Johnson, Arthur, Iowa, brought out the pre-sale show champion and top selling bull, Blue Boy E&B, a September '53 son of Blueboy Lad 125th of Ida, selling to Henry & Milton Bauer, Kingsley, Iowa, at $2,050. Marlan Keiper, Brookings, So. Dak., paid $1,525 to own the reserve champion bull, Barbaras Elban, a September '53 son of the International champion, Elban Bardolier 3d, from El-Jon Farms, Rose Hill, Iowa.

Blackbird Progress E&B, a daughter of Prince Lakewood 5th consigned by Enoch and Bob Johnson, was reserve champion female, and the top female at $1,600, the bid of Hale & Heindel, Duncombe, Iowa. Blackcap Donna of Lad-or, an outstanding daughter of Prince McKenny of Idealmere consigned by Lad-or Farm, Scranton, Iowa, brought $1,500, the bid of El-Jon Farms, Rose Hill, Iowa. She was the champion female of the show.

Cols. Bill Hagel and Jim Morris cried the sale.

The draft sale of **Shorthorn** cattle for W. P. Lorensen, Pilot Mound, Iowa, held in the sale pavilion at Boone, February 23, drew a damp chilly day. The cattle were sold in just farm condition. Thirteen bulls, most of which were not quite ready for service, averaged $175. Forty-one females averaged $161 and the 54 head $165.

The second top on the bulls was lot 10, B Bevita Satisfaction 5th. He sold for $250 to E. K. Denckleau, Vincent, Iowa. High bull was lot 4, A Bevita Satisfaction 3d. Buyer was Warren Gardner, Webster City, Iowa for $290.

The top on the females was lot 17, cow with bull calf, S. F. Primrose 2d. She sold for $410 to Harry L. & Stella Swanson, Holstein, Iowa. Second high was lot 21, Bevita's Augusta 9th. She sold for $225 to Matern & Primising, Britt, Iowa.

The sale was managed by Albert Hamann. Auctioneer was J. E. Halsey.

A very deep, thick bodied group of well presented **Angus** drew a large crowd of breeders from a wide area, at the KDA Angus production sale at Princeton, Ill., Feb. 26. The outstanding offering owned by Lyman Kemmis and Sons, Prophetstown, Ill. Horace Dilenbeck and Sons, Geneseo, Ill., and Bert Althaus and Son, LaMoille, Ill., averaged as follows:

6 bulls averaged $883
53 females averaged $604
59 lots averaged $632

Glengarry Farms, Mount Carroll, Ill., paid $3,200 to own the top selling female, Blackcap Bessie 4 of DF, a May '54 daughter of Grenadier 8th of DF, from the Dilenbeck herd. Jestress of Overland Trail 4th, a September '52 Black Jestress heifer also from the Dilenbeck consignment, brought $1,475 the bid of Woodbine Stock Farm, Huntley, Ill.

James L. Davis, Pleasantville, Iowa, paid $1,975 to own the top selling bull, KF Bardolier 2d, a July '53 son of KF Bardolier from the Kemmis consignment. KF Bandolier 12th, an October '53 son of Bandolier 4th of Kemmere, also consigned by Lyman Kemmis and Sons, brought $975, the bid of M. H. Stenzel and Son, Osco, Ill.

Cols. Roy Johnston and Paul Good cried the sale.

The first **Polled Hereford** futurity show and sale for the Illinois Breeders Association was held at Springfield, February 25 and 26. A large size crowd was present from Indiana, Iowa, Missouri, Wisconsin and all parts of Illinois.

18 bulls averaged $665
34 females averaged $444
52 head averaged $521

The junior and grand champion bull was lot 7, JBL Mischief Real, shown by John W. Lehmann, Pleasant Plains, Ill. He sold for the top of the sale to Thomas Farms, Mechanicsville, Ill. for $2000. The reserve and senior champion was lot 17, KMP Larry Domino 3rd, entered by Harvey J. Knobeloch, Belleville. He sold to Swain Brothers, Jacksonville, Ill., for $975.

Kenneth Kline, Jacksonville, Ill. was the buyer of the second top on lot 16, ES Royal Plato 14th for $1500. He was consigned by Edward Schrock & Son, Pekin, Ill.

Three females sold for $1000. The junior and grand champion entered by Edward Schrock, lot 32, ES Royal Duchess 7th, sold to Robert Lindquist, Salem, Wis. Reserve grand champion was lot 24, BPH Larryette, entered by Patricia Jean Bruch, Peru, Ill. She sold to Walter Paque, De Pier, Wis. Lot 29, Diamond A Choicette, shown by Gentry D. Adams & Son, Allendale, Ill. the first prize two-year-old sold to Leo Kohler, Waterloo, Ill. The reserve senior champion was lot 21, LFB Lakeva Dominess, shown by Lloyd D. Becker, Mason City. She sold for $600 to J. Douglas & Son, New Holland, Ill.

The sale was under the management of Ernest Painter, LaHarpe, Ill. Auctioneers were Hamilton James and Tom Sherlock.

The **North Iowa Polled Shorthorn Breeders Association** show and sale held at Spencer, March 1, drew a fine day and a large crowd. The 33 bulls averaged $286, twenty-one females $192 and 54 lots $250.

The champion bull was lot 5, Lindie Count, consigned by Frank Dempster and Son, Arlington, Iowa. He sold to W. N. Moore, Iowa Falls, Iowa for $635. Wayne Carr, Cincinnati, Iowa, showed the reserve on lot 29, APSI Mercury 7th. He brought $435 selling to Frank Brown, Osceola, Wis. The top bull was lot 21, Browndale Max, entered by Otto Johnson, Lohrville, Iowa. Buyer was Ralph Stirm, Brandon, Iowa, for $700.

The champion female went to Vernes Farrell & Sons, Emmetsburg, Iowa, for lot 35, CV Butterfly. She sold for $325 to W. N. Moore, Iowa Falls, Iowa. Minor Blum, Terril, Iowa, showed the reserve champion on lot 45, Butterfly 128th. She sold for $305 to Ben G. Studer, Wesley, Iowa. The sale was managed by Wayne A. Carr, Cincinnati, Iowa. Bert Hanson, Vernon Center, Minn., was the judge, and J. E. Halsey was the auctioneer.

Small bumps that you find now on the backs of your cattle are grubs that will burrow out later this spring, fall to the ground and develop into heel flies that will lay their eggs on the cows' legs to start the cycle over again.

AUCTIONEER

Successful sales for leading breeders. A lifetime of experience with all types of livestock.

RATES REASONABLE

Phone: Res. 7-3645; Office 3-6181

J. E. HALSEY, Box 1317, DES MOINES

C. T. KEEN & SON

SPRING HAMPSHIRE SALE

VINDICATOR PRINCE 1st
Reserve All-American, son of Vindicator

Sale at farm, 8 miles east of Marshalltown on Highways No. 30 and 64, and ½ mile west of

LE GRAND, IOWA

FRIDAY, APRIL 1st

Night Sale — 7:30 P. M.

10 BRED GILTS — 25 FALL BOARS
35 REGISTERED FALL GILTS—Many Commercial Off-belted Fall Gilts

The bred gilts all carry the service of our $1,150 CITATION 1st. Fall Boars and Gilts sired by MASTER RULER, VINDICATOR and MODERATOR, son of the mighty Great Western. "OUR GOAL FOR 1955—CERTIFIED MEAT-TYPE HOGS." BANGS FREE, State Accredited Herd. Plan to attend. Ask for FREE catalog. Kindly mention this publication. Address

C. T. KEEN & SON, LE GRAND, IOWA

Auctioneer, John W. Rhodes Free lunch at noon

GRANT CO. HEREFORD CATTLE COOP. ASSN. SALE

On the Fair Grounds, 30 miles north of Dubuque, 50 miles west of Madison

LANCASTER, WISCONSIN, SATURDAY, APRIL 9th

48 HEAD — 17 BULLS, 31 FEMALES

12 HEREFORD BULLS
20 HEREFORD FEMALES
5 POLLED HEREFORD BULLS
5 POLLED HEREFORD FEMALES

Nearly all the bulls are ready for service. The place you can secure a bull that will please. Of the 31 females, 3 are cows, 28 bred and open heifers. Many of the heifers are well along to calf. A fine time of the year to select open heifers for herd improvement. Send your name for FREE catalog. Please mention this publication. Address

CLIVE BROWN, Secy., BLOOMINGTON, WISCONSIN

Auctioneer, Tom Sherlock

Coming Livestock Sales

ANGUS

Mar. 19—Mercer County Breeders, Aledo, Ill. Hugh McWhorter, Secy.
Mar. 21—Ames Aberdeen-Angus Breeders Assn., Ames, Iowa. Howard E. Ames, Secy.
Mar. 25—Goose Creek Farms, 9th Production sale, Muscatine, Iowa. Sale at Columbus Jct., Iowa. Forrest M. Larmer, Mgr., Muscatine, Iowa.
Mar. 26—Wilton Farms, Otto & Dick Nobis, Davenport, Iowa.
Mar. 28—F. M. Bradley & Sons, (Dissolution) Avon, Ill.
Mar. 28—Marion County Angus, Knoxville, Iowa. Duane Bingaman, Mgr., Columbia, Iowa. Avon, Ill.
Mar. 29—Northeast Iowa Breeders, Cedar Falls, Iowa. Bob Robinson, Mgr., Masonville, Iowa.
Mar. 31—Pleasant Valley Farm, Cornelius Thines (Dispersion), Maquoketa, Iowa. Oliver A. Hanson, Sale Mgr., Durant, Iowa.
Apr. 1—West Grand Aberdeen-Angus Association sale, Gallatin, Mo. Orville E. Alden, Pres., Kidder, Mo.
Apr. 19—Clark Angus Farm, Rea, Mo. Sale at Maryville, Mo.
Apr. 19—Poweshiek County Angus Breeders sale, Grinnell, Iowa. Burdett Farley, Secy., Malcom, Iowa.
Apr. 20—South Central Iowa Breeders show and sale, Oskaloosa, Iowa. Clyde A. Hanna, Secy.
Apr. 23—Southeast Iowa Angus Assn., Mt. Pleasant, Iowa. Kenneth Redfern, Secy., Yarmouth, Iowa.
Apr. 25—Iowa Southern Breeders, Leon, Iowa. Lyle Miller, Secy., Osceola, Iowa.
Apr. 26—Warren County Breeders, Indianola, Iowa. Glen Felton, Mgr. Indianola Iowa.
Apr. 28—Wayne County Aberdeen-Angus Assn., Corydon, Iowa. Tom Lockridge, Mgr., Russell, Iowa.
Apr. 30—David & Margaret Miller, Sun-Up Farms, Smithville, Mo. Donald J. Bowman, Sale Mgr., Hamilton, Mo.
May 7—Kentridge, Mr. and Mrs. G. A. Kent, owners, Muscatine, Iowa.
May 23—Tallcorn Breeders Assn., Marshalltown, Iowa. C. G. Mason, Secy.
May 25—Hawkeye Angus Breeders sale, Cedar Rapids, Iowa. Albert Stuart, Secy., Newhall, Iowa.
May 26—Orville Ehlen, Anita, Iowa. P. K. Pratt, Sale Mgr., Walnut, Iowa.
May 27—Four County Association, Stuart, Iowa. W. W. Herkelman, Mgr., Dexter, Iowa.
June 6—Hopley Stock Farm, Atlantic, Iowa.

HEREFORDS

Mar. 19—Marion County Hereford Association, Knoxville, Iowa. Walter L. Brown, Sale Mgr.
Mar. 21—Northwest Missouri Breeders, Maryville, Mo.
Mar. 23—North Central Missouri Assn., Chillicothe, Mo. Mrs. Lora Ashlock, Secy.
Mar. 25—Illinois Hereford Assn., Princeton, Ill. E. Glenn Ash, Secy., Harrisburg, Ill.
Mar. 30—Blue Grass Breeders Assn., Princeton, Mo. B. N. Taylor, Secy., Newtown, Mo.
Apr. 9—Grant County Breeders Assn., Lancaster, Wis. Clire Brown, Secy.
Apr. 11-12—Edg-Cliff Farms, Potosi, Mo. Fulkerson Sale Service, Mgrs., Liberty, Mo.

HEREFORDS

Apr. 15—Robert K. Faust (Dispersion), West Union, Iowa.
Apr. 16—Grand River Hereford Association, Gallatin, Mo. Carl G. Morrison, Secy.
Apr. 20—Northeast Hereford Breeders, Memphis, Mo. Vernon Winkler, Secy.
Apr. 20—Southwest Iowa Breeders, Red Oak, Iowa. J. W. Pogue, Mgr., Villisca, Iowa.
Apr. 22-23—Circle A Farms, Fred W. Anderson, Morris, Ill.
Apr. 25—Midiowa Hereford Assn. sale, Marshalltown, Iowa. Mrs. Harold Peterson, Secy., Liscomb, Iowa.
Apr. 30—Bonza Hereford Ranch, Parker, So. Dak.
May 25—Clark Grandfield, Lorimer, Iowa.

POLLED HEREFORDS

Apr. 1-2—Illinois Polled Hereford Breeders show and sale, Springfield, Ill. Ernest Painter, Secy., La Harpe, Ill.
Apr. 5—Upper Mid-West Polled Hereford Association sale, St. Paul, Minn. C. J. Kunau, Secy., Red Wing, Minn.
Apr. 13-14—Southeast Iowa Polled Hereford Association show and sale, Oskaloosa, Iowa. Calvin Cruzen, Sale, Mgr., New Sharon, Iowa.
Apr. 20—Southwest Iowa Breeders, Red Oak, Iowa. J. W. Pogue, Mgr., Villisca, Iowa.
May 2—Gimbach Polled Hereford Farm, Dell Rapids, So. Dak.
July 9—O Bryan Ranch cow and calf sale, Hiattville, Kan.

RED POLL

Mar. 29—Upper Midwest Red Poll Cattle sale, Mason City, Iowa. A. L. Gilbert, Sale Mgr., Earlham, Iowa.

SHORTHORNS

Mar. 28—Northwest Missouri Breeders, Maryville, Mo. Dr. L. W. Landfather, Mgr., 412 W. 2d St.
Apr. 11—Marion County Breeders, Knoxville, Iowa. Merrill L. Robsick, Secy., Pleasantville, Iowa.
Apr. 16—12th Semi-annual Central States show and sale, Oskaloosa, Iowa. C. Emory Stewart, Sale Mgr., Rose Hill, Iowa.
Apr. 29—Lisle Farquhar, Coin, Iowa, sale at Clarinda, Iowa. Albert J. Hamann, Sale Mgr., Rock Rapids, Iowa.
June 2—Minnesota state show and sale, Blue Earth, Minn. Norman T. Findahl, Secy., Waterville, Minn.
May 26—Southwest Iowa Breeders, Red Oak, Iowa. Lloyd H. Davis, Mgr., Oakland.
Sept. 24—Hawkeye Downs Annual Spring sale, Cedar Rapids, Iowa. E. S. Girton, Sale Mgr., Box 452, Vinton, Iowa.

POLLED SHORTHORNS

Sept. 16—Hawkeye Downs Annual Spring sale, Iowa. Wayne A. Carr, Sale Mgr., Cincinatti, Iowa.
Apr. 11—Missouri Breeders show and sale, Rockport, Mo. Rollo E. Singleton, Sale Mgr., Jefferson City, Mo.
May 26—Southwest Iowa Breeders, Red Oak, Iowa. Lloyd H. Davis, Secy.-Mgr., Oakland, Iowa.

DAIRY CATTLE

Mar. 19—Iowa Holstein Breeders Spring sale, Waterloo, Iowa. Bill Maynard, Secy., 1930 Hawthorne Ave., Waterloo, Iowa.
Mar. 30—La Crosse County Guernsey Breeders, West Salem, Wisc.
Apr. 22—Iowa State Guernsey sale, Waterloo, Iowa. M. W. Sprole, Mgr., Box 76, Mason City, Iowa.
Apr. 30—Alfred D. Dodds & Sons, Blockton, Mo. (Jersey dispersal.) Ivan N. Gates, Sale Mgr., West Liberty, Iowa.
June 7—Mid-American Regional Jersey sale, Waterloo, Iowa. Ivan N. Gates, Sale Mgr., West Liberty, Iowa.

CHESTER WHITES

Mar. 26—Spotlight show and sale, Cedar Rapids, Iowa.

DUROCS

Mar. 19—Iowa Duroc Breeders Assn., Nevada, Iowa. Clarence E. Bundy, Secy., 1319 Clark St., Ames, Iowa.
Mar. 26—R. K. Strother & Son, Bowling Green, Mo.

HAMPSHIRES

Mar. 21—(Night sale) McGuire Hampshire Farm, Wisner, Nebr.
Mar. 22—Carl and Sylvia Matheson, Neponset, Ill.
Apr. 1—(Night sale) C. T. Kern & Son, Le Grand, Iowa.
Apr. 9—(Night sale) Cecil Wilson, Lenox, Iowa.
Apr. 11—(Night sale) Iowa State sale, Nevada, Iowa.
Apr. 15—Dean Snyder, Good Hope, Illinois.

LANDRACE

Apr. 2—Don Koch, Latimer, Iowa. Sale at Hampton, Iowa.

YORKSHIRES

Mar. 26—Paul Behn, Postville, Iowa.

DRAFT HORSES

Apr. 13-14—Tri-State Draft Horse Breeders show and sale, Austin, Minn. Don Schneckloth, Mgr., R. 5, Davenport, Iowa.

SHEEP

June 15-16—Eleventh Annual Midwest Stud Ram show and sale, Sedalia, Mo. Rollo E. Singleton, Sale Mgr., Jefferson City, Mo.

Livestock News

Thompson Hereford Farm, Chillicothe, Mo., brought out an outstanding group of heavy boned, strong headed Herefords at their first production sale at Chillicothe, Mo., Feb. 24. There was strong demand for the top end, and, a large portion of the offering sold in moderate flesh.

23 bulls averaged $277
39 females averaged $244
62 lots averaged $256

Beatty Hereford Ranch, Cameron, Mo., paid $700 to own the top selling bull, S. Royal Aggressor, an October '49 proven son of WHR Proud Aggressor. T. Resolute 3d, a January '54 son of THF Resolute 1st by WHR Resolute 55th, brought $685, the bid of John A. Braden, Cameron, Mo.

Top on females was $650 paid by Bianchi and Sanford, Macon, Mo., for Hebby Fairfax Domino, a daughter of Battle Domino 24th with heifer calf at side. Monroe Raymond, Smithville, Mo., paid $460 for THF Belle 1st, a daughter of Hillcrest Larry 4th.

LIVESTOCK FIELDMEN

J. E. HALSEY, 1912 Grand Ave., Des Moines. Phone: Office 3-6181, Res. 7-3645.
THOS. W. SHERLOCK, Box 3, Oxford, Iowa. Phone 125.
ARCH STONE, 1912 Grand Ave., Des Moines. Phone: Office 3-6181, Res. 9-6995.
We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

GOOSE CREEK FARMS

9th PRODUCTION SALE

Columbus Junction, Iowa - Friday, March 25th

OFFERS YOU MORE FAMILIES — 44 of the 55 females represent the ERIANNAS, JILTS, ZARAS, GAMMERS, MISS BURGESS, BLUEBLOOD LADYS, TOLAN PAULINES, GEORGINAS, JUANAS, BARBARAS, KATINKAS, EDELLAS.

PREPOTENCY — 9 BULLS suitable for Top Herds. Both our Bulls and Females have proved they will produce better for you.

QUALITY — One of our Top Offerings. Several show animals like those that have won championships at major fairs.

VALUE — Selling without high finish or elaborate promotion, they do not depreciate in value for you.

EILEENMERES AND BANDOLIERS

Edg-Clif

"THE WORLD RENOWNED HERD"
Hereford Dispersion Sale
APRIL 11-12, POTOSI, MISSOURI

Sale at the farm, Potosi, Mo. Sale starts at 11:00 A. M., April 11th, and 10:00 A. M., April 12th

68 Bulls 450 Head—350 Lots 282 Females

FEATURING THE BLOOD OF THREE REGISTER OF MERIT SIRES
WHR RESOLUTE 55th
(pictured at right)
EDG-CLIF ROYAL E. DOMINO
EDG-CLIF BACA DOMINO

This sale will be headed by 10 proven herd sires. The remainder of the bull offering will include 58 bulls ranging in age from those of serviceable ages down to junior bull calves. This is the breeder's opportunity to get a good, well-bred bull for a herd header, or an able assisting sire.

The female offering consists of a quality-laden cow herd. There will be bred cows, bred heifers, open heifers and 105 cows with calves at foot.

WHR RESOLUTE 55th—Our third sire to reach the Register of Merit. He is one of the top breeding bulls in America. A son was the 1954 American Royal Champion Bull, and others sired by him, both bulls and females, have stood well up at leading shows. All of his get, much of which goes to the show barn, are outstanding. He will sell as lot 1 in our April 11-12 dispersion sale.

ALSO OFFERING SONS AND DAUGHTERS OF:

ZATO HEIR M. 19th

A son of H&D Tone Lad 105th from a daughter of Pioneer. This bull was leased from the Patterson Land Co., Bismarck, N. D., for a period of nine months at a cost of $10,000. Without question his sons and daughters prove him to be one of the top breeding Zato Heir bulls in the breed today. They have bone, substance, mellowness, and type.

EDG-CLIF RESOLUTE—The 1954 American Royal Champion Bull. Sells as lot 2.

EDG-CLIF RESOLUTE HEIR — The 1954 Missouri State Fair Champion Bull. Sells as lot 3.

TR ZATO HEIR 341st—He sold in the 1954 Turner Ranch Sale. He sells as lot 18.

Make your plans now to attend this great dispersion sale. Send for FREE catalog. Please mention this publication. Address

FULKERSON SALE SERVICE, Liberty, Mo. or **EDG-CLIF FARMS, Potosi, Mo.**

A. S. Knapp, Owner — **Edg-Clif** — **Potosi, Missouri**

Arch Stone, Fieldman

2d Annual Northeast Iowa

Angus Breeders Assn. Sale

Comfortable Miller Pavilion, ½ mile south of City on Main St. at

Cedar Falls, Ia.

TUES., MAR. 29th

Starting at 12:30 P. M.

16 SPLENDID RUGGED BULLS
20 EXCELLENT BRED HEIFERS
12 COWS WITH CALVES AT SIDE
16 MOST ATTRACTIVE OPEN HEIFERS

This is without doubt the best offering we have ever presented, selected with care from the best herds of this area. They have listed their best cattle, rich in pedigree, pleasing in type and the sort that will prove profitable.

The **BULLS**, most all ready for immediate service, good, big, rugged bulls, well-grown, low-set, thick-fleshed, with type and merit, by great herd sires. You can find a herd bull here.

The **48** females a most desirable lot. 12 grand brood cows with big lusty calves at side by Top Quality Herd Sires and many are remated. The 3 in 1 kind. A beautiful lot of bred heifers, by outstanding herd bulls and mated to wonderful herd sires. 16 most attractive open heifers, ideal age to mate to your herd bull. Suitable for foundation purpose.

Herd bulls used by members of this Association came from the following well-known herds: **EL-JON, TOLAN, WILTON, ANGUS VALLEY, ROSEMERE, SHADOW ISLE, SCHMUCKER, JOHNSON BROS., SUNBEAM, GOOD HOPE FARMS, PENNEY & JAMES** and **BELL & SONS.** These sires have won placings such as 2d and 5th International, Grand Champion, Iowa State Sale; Reserve Champion All-Iowa Fair, Reserve Champion and Champion at leading District Fairs. Great herd bulls, best of breeding. The families represented in the offering include **BLACKCAP BESSIE, MISS BURGESS, BLACKCAP HEIRESS, ROSEMERE BARBARA, McHENRY BARBARA, McHENRY BLACKCAP, JUANA, ELINE, ENCHANTRESS, PRIDE, QUEEN MOTHER, BLACKBIRD, BLACKCAP MISSIE, GLEN MAWR ELBA** and others. Nothing finer. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication. Address

BOB ROBINSON, Sec., MASONVILLE, IOWA

Auctioneer, C. G. Mason — T. W. Sherlock, Fieldman

11th Annual Spring Show & Sale

ILLINOIS POLLED HEREFORD ASSN.

State Fair Grounds

SPRINGFIELD, ILL.
APRIL 1 and 2

SHOW — Friday, April 1st
Starting at 12:00 Noon
Judge: J. C. Holbert
SALE — 11:00 A. M.
April 2d
91 HEAD
46 BULLS — 45 FEMALES

Consigned by 43 Leading Breeders

A grand group of long aged bulls ranging in age from 12 to 24 months, mostly summer to senior yearlings. Bulls to suit the best registered breeders, and bulls for you commercial and farmer breeders. The kind that will please.

A fine group of females in their most useful and profitable ages. Bred heifers carrying the service of noted herd bulls that have made a record. A fine group of open heifers of breeding age. Best of blood lines.

Let us remind you that Illinois has the largest and one of the most up and coming associations in the United States. They got there by offering modern type cattle. This is another good offering and we believe you will want to see them. They will please. Write for the **FREE** catalog. Please mention this publication. Address

ERNEST PAINTER, Secy., LA HARPE, ILLINOIS

Attend the Breeders' Banquet, St. Nichols Hotel, April 1st, 6:30 P. M.

Auctioneers, Pettit and James — T. W. Sherlock, Fieldman

Last Call!!!

MARION COUNTY ANGUS Spring Production Sale

MARION COUNTY — "Leading Angus County" — "Leading Angus State" — ANGUS ASSOCIATION

KNOXVILLE, IOWA

MONDAY, MARCH 28TH

Hillcrest Sale Barn — 12:30 P. M.

SELLING 80 LOTS

22 BULLS
Herd sire prospects for both the registered breeder and the commercial man.

58 FEMALES
Suitable for foundation material or for herd improvement.

PLAN TO ATTEND

Send now for your FREE catalog. Please mention this publication. Address

DUANE BINGAMAN, Sale Mgr., COLUMBIA, IOWA

Auctioneer, Ray Sims — Arch Stone, Fieldman

WEST GRAND

Aberdeen-Angus Breeders Sale

In comfortable sale barn, ½ mile west on Highway No. 6 at

GALLATIN, MISSOURI

FRIDAY APRIL 1st

Starting at 12:30 P. M.

Judging Contest — 10:00 A. M.

20 RUGGED BULLS—46 WELL-BRED FEMALES

A most desirable offering selected with care from members in this area. Good, well-bred cattle, pleasing in type and quality. The **20** bulls are big, rugged bulls, most all ready for service . . . you can find a herd bull here. The females, a splendid lot, includes cows with calves and rebred, choice cows and heifers, mated to top herd sires, and attractive open heifers by good Herd Sires, ideal to mate to your herd bull. The consignors are:

E. E. Alden	Kidder	Penney & James	Hamilton
C. W. Caldwell	Gallatin	Ramore Angus Farm	Chillicothe
Roy Courtney	Stewartsville	W. J. Steiner & Son	Amity
Oliver S. Farber	Jameson	C. H. Thompson	Wagleville
Leo Farman	Weatherby	L. C. Thornton	Maysville
C. R. DeWeese & Son	Cowgill	Twin Oaks Farms (Glen Cooper)	Maysville
L. R. Hamblin	Ludlow		
Frank Harpster	Kidder	Lloyd Wolf & Son	Weatherby
H. Q. Moreland & Son	Osborn	S. E. Owens & Son	Maysville

JUDGING CONTEST—10:00 A. M., open to F.F.A. and 4-H members. Prizes awarded as follows $25, $15, $10. 1st, 2nd and 3rd credit of these amounts may be used toward the purchase of any animal in this or future sales.

You will find top breeding, and splendid individuals in this auction, consigned by good, reliable breeders. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

C. W. CALDWELL, Secy., GALLATIN, MO.

Auctioneer, Ray Sims — Arch Stone, Fieldman

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2 Good Herd Bull Prospects
13 Females (10 of them bred)

Sell at KNOXVILLE, IA., MON., MAR. 28

Families Represented:

Maid of Bummers	Georgina	Barbara Woodson
Edwina	Juana Erica	Berosa Miss Burgess
Britannic Maid	Cridlan Evergreen	Enchantress Erica

Offering a top son of **BLACKBIRD LAD A. 6th**, and an outstanding grandson of Bandolier 44th of Wilton. Feature attraction will be the service of **BANDOLIER E. 27th**, our new herd sire (pictured in catalog).

O. O. & JOHN EMERSON, KNOXVILLE, IOWA

BUENA FARMS ANGUS

1 YEARLING BULL—5 BRED HEIFERS—3 1954 HEIFER CALVES

Sell at Knoxville, Iowa, March 28th

SEE:

GEORGINA OF BUENA 52d—A Georgina daughter of Bargess, a full sister to the 4th prize female at the Iowa State Sale in 1950.

MISS EBBADINE 4th OF BUENA—A full sister to the Reserve Champion Bull at the National Sale in Chicago in 1947.

Two heifers are bred to **JOEL ERIC**, a very heavy boned, short coupled, deep bodied herd sire (pictured in catalog).

RAY H. CLINE & SON, BUSSEY, IOWA

---

2 Bulls, Ready for Service — **1 Bred Heifer**
2 Open Heifers of Breedinng Age — **1 Cow and Calf**

TO KNOXVILLE, IA., MON., MAR. 28th

2 Are Sired by, and 4 Are Sired by a Son of:

PRINCE PRIDE OF LAKEWOOD

Our well-known son of Prince Sunbeam 19th

The bred heifer is bred to, and the calf at side is by, our **BLACKCAP BARDOLIER 22d**, a son of Raona's Bardolier 3d. We are pleased with the calves we are getting by the "22d".

BANKS & BANKS, KNOXVILLE, IOWA

BLUE GRASS HEREFORD
Show and Sale
Princeton Mo., Wed., March 30th

SHOW — 9:00 A. M. **SALE — 12:30 P. M.**

At Princeton Sale Pavilion

SELLING 78 HEAD

41 Bulls — 37 Females

A good many of the 41 bulls are ready for heavy service, and we will have the best group of females we have ever had at a spring sale. They will include cows with calves at side, some cows to calve soon, and bred and open heifers.

CONSIGNED BY THE FOLLOWING LEADING BREEDERS OF THE AREA:

Rex Allen, Corydon, Iowa
F. J. Bickel & Sons, Lineville, Iowa
James F. Boland, Powersville, Mo.
Paul Booth, Cainsville, Mo.
Geo. M. Brown, Leon, Iowa
J. C. & Mabel Browning, Browning, Mo.
W. C. Caldwell & Son Hereford Farm, Humeston, Iowa
Howard Casteel, Princeton, Mo.
Thomas Crawford, Mercer, Mo.
R. B. Elder, Clio, Iowa
Ray & Fred Girdner, Princeton, Mo.
Leslie Green, Trenton, Mo.
A. W. Harris & Son, Harris, Mo.
Chas. Howard, Unionville, Mo.
Fred L. King, Princeton, Mo.
C. C. Long & Son, Corydon, Iowa
Oyler Bros., Trenton, Mo.
Leslie Green, Trenton, Mo.
Ralph H. Turner, Jamesport, Mo.
C. A. Warden & Son, Mercer, Mo.
Fred Young, Princeton, Mo.

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BISHOP TAYLOR, Secy. or **F. J. BICKEL, Pres.**
Newtown, Mo. **Lineville, Iowa**
Auctioneer, Freddie Chandler Arch Stone, Fieldman

PLEASANT VALLEY FARMS

ANGUS DISPERSION

Comfortable Bowman Sale Pavilion

Maquoketa, Ia., Thursday, March 31st

Starting at 11:00 A. M.

PRINCE 17th OF ESSAR, brother to Prince 29th of Essar, $10,000 bull, son of the $20,000 Master Prince 2d. Much of his progeny in the sale and females mated to him.

104 LOTS

93 FEMALES

11 BULLS

THE BULLS:

Include 3 Herd Bulls

BLACK MASTER OF ADA 1007642 by Imported Warden of Garvault and out of a BLACK BESSIE 8th OF ADA cow.

PRINCE 17th OF ESSAR 1052721, secured from Essar Ranch of Texas. A son of Master Prince 2d used successfully in the Essar Herd. Also another tried son of MASTER PRINCE 2nd. Their progeny is featured in this sale. The other 8 bulls are ready for service. You can select a tried and proven herd bull here, or younger bulls that will please.

THE FEMALES:

Foundation cattle secured from the late **Kenneth McGregor, Rosemere, I. E. Kemp, Iowa State College, George Thompson** and other leading herds. **Mr. Thines** always secured top cattle for his foundation herd. One of the best and larger herds in Eastern Iowa. Many cows with big calves at side and rebred. Choice cows and heifers, mated to top herd sires and attractive open heifers. One of the foundation cows was GEORGINA BROWN 18th 508279; this cow and her offspring sell. Other families include ROSEMERE ESTELLA, ELLUNA, GEORGINA, KATINKA, HARTLEY ENECHO, JUANA ERICA, ELBA, MISS BURGESS, COLLEGE HEROINE, WITCH OF ENDOR, EULIMA, HARTLEY EDELLA, BLACKCAP, BLACKBIRD, QUEEN MOTHER, QUEEN VIOLA K. and other dependable families. The progeny of PRINCE 17th OF ESSAR is being featured, the son of Master Prince 2nd, the $20,000 bull by the "Million Dollar Sire," Prince Sunbeam 29th. Only a dispersion sale offers such Bargains. COME! Ask now for FREE catalog. Address

OLIVER HANSEN, Sale Mgr., DURANT, IOWA
CORNELIUS THINES, Owner, PRESTON, IOWA
Auctioneers, Roy Johnston and Ray Sims T. W. Sherlock, Fieldman

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OSKALOOSA OPPORTUNITY SALE

SHOW — 10:30 A. M. — Wednesday, April 13th
Judge: John Trenfield, Shattuck, Okla.
SALE — 10:30 A. M. — Thursday, April 14th
(This is one place they start on time as scheduled)
Southern Iowa Fair Grounds

Oskaloosa, Iowa, April 13-14

— 110 HEAD —

77 TOP BULLS — 33 DESIRABLE FEMALES
40 HEAD IN GREAT FUTURITY SHOW
$600 in Cash Futurity Prizes
FUTURITY Classes Will Be Shown and Sell First

One of the finest offerings we have ever presented. This is our 11TH ANNUAL SHOW AND SALE and we have selected with care cattle of the modern type, rich in pedigree from leading herds in IOWA, Northern MISSOURI and 1 entry from Nebraska. THE BULLS include 8 which are over two years old, others yearlings ready for service. Bulls suitable for Herd Sires. The large number affords a wide selection. THE FEMALES, one cow over 2 years old, others are over 1 year old. We do not accept consignments under one year old. The consignors are:

Arrasmith, Max ..... Ames, Iowa
Benge, Loran & Sons ..... Moulton, Iowa
Campbell, J. W. ..... Tiffin, Iowa
Classen, Menno ..... Beatrice, Neb.
Clarkson, Ernest & Sons .. La Platte, Neb.
Crawford, Thomas ..... Mercer, Mo.
Cruzen, Calvin L. ..... New Sharon, Iowa
Cruzen, Richard J. ..... New Sharon, Iowa
Davenport, John S. ..... Lenox, Iowa
Deppe, T. A. ..... Ottumwa, Iowa
Fenner, Charles ..... Lynnville, Iowa
Fenner, Clair ..... Lynnville, Iowa
Findley, Lester & Son ..... Milton, Iowa
Fox, Leslie ..... Rose Hill, Iowa
Hazen, Dee L. ..... What Cheer, Iowa
Hoaglin & White ..... Mt. Pleasant, Iowa
Howard, Charles ..... Unionville, Mo.
Johnson, E. S. & Sons .. What Cheer, Iowa
Johnson, Paul ..... Fremont, Iowa
Jones, Harold L. ..... Hayesville, Iowa
Kline, Harvey ..... Melrose, Iowa
Krug, Delbert ..... Atkins, Iowa
Krug, Harvey ..... Atkins, Iowa
Larson, Lennart ..... Albia, Iowa
Leighton, Dr. Darwin .. West Liberty, Iowa
Leonard, Mason ..... Waukee, Iowa
McLeans ..... Whitten, Iowa
Meyer, Alvin ..... Lone Tree, Iowa
Patten, Jack ..... Brooklyn, Iowa
Patten, Orville H. ..... Kirksville, Iowa
Pauls, Robert ..... Colfax, Iowa
Redman, Corwin ..... Leighton, Iowa
Rogeness, Sanford ..... Britt, Iowa
Rozendaal, Walter ..... Lynnville, Iowa
Schulte, Bernard & Sons .. Norway, Iowa
Schulte, John C. ..... Norway, Iowa
Soorholtz, Howard ..... Melbourne, Iowa
Starry, M. C. ..... Olin, Iowa
Stovall, J. A. ..... New Sharon, Iowa
Summers, Leo ..... Memphis, Mo.
Summers, O. D. ..... Memphis, Mo.
Terpstra, Jennie & Son .. New Sharon, Iowa
Van Der Molen, Gerrit & Sons Taintor, Ia.
Van Heukelom, Roy .... New Sharon, Iowa
Van Heukelom, Wm. ..... Leighton, Iowa
Peter G. Von & Sons ..... Pella, Iowa
Westhaven Place ..... Denison, Iowa
Wright, Fred ..... Grimes, Iowa
Wurster, Herman ..... Clearfield, Iowa
Wurster, Willie ..... Clearfield, Iowa

This is one of the outstanding events of the year of the POLLED HEREFORD breed. You can find cattle that will prove profitable. They will strongly appeal to our best cattlemen. Plan to attend the Show and Sale. Ask now for FREE catalog. Kindly mention this publication. Address

Calvin Cruzen, Sale Mgr., New Sharon, Iowa

SOUTHEASTERN IOWA POLLED HEREFORD ASSN.
LESLIE FOX, Pres., TINGLEY, IOWA
ROY VAN HEUKELOM, Secy.-Treas., NEW SHARON, IOWA
Auctioneers, Guy Pettit and Freddie Chandler Halsey, Sherlock and Stone, Fieldmen

BANQUET and Business Meeting: 6:30 P. M., Christian Church Basement, Wednesday evening, April 13th. Everyone invited. Farm Bureau ladies will service lunch at Show and Sale.

NORTH CENTRAL MISSOURI
26th Semi-Annual
HEREFORD SHOW AND SALE

At Fraley Sale Pavilion

CHILLICOTHE, MO., WED., MARCH 23d
SHOW — 9:00 A. M. **SALE — 1:00 P. M.**

45 BULLS — SELLING 90 LOTS — 45 FEMALES

In this offering you will find some tried herd sires of good ages, from some of the better herds in the state, herd bull prospects and bulls that will make an improvement on any commercial herd. In the female offering you will find cows with calves by side, bred and open heifers.

MRS. LORA ASHLOCK, Secy., CHILLICOTHE, MO.
Auctioneer, Freddie Chandler

UPPER MIDWEST RED POLLED CATTLE SALE
Sale at 12:30 P. M. at the North Iowa Fairgrounds

MASON CITY, IOWA, TUESDAY, MARCH 29th

10 SERVICE AGED BULLS — 30 FEMALES

A highly selected offering from the top herds of Iowa and Minnesota. Included will be State Fair Grand Champions, and cattle sired by National Grand Champions. Inasmuch as this is only the second consignment sale of this breed held in this state since 1947, we consider this a rare opportunity to buy the right kind of cattle for the diversified farmer. Send for FREE catalog. Please mention this publication. Address

A. L. GILBERT, Sale Mgr., EARLHAM, IOWA

FEED BP Blended Protein

FEED of CHAMPIONS FOR MARKET OR SHOW RING

First in Leadership! First in Quality! First in Championships!

For More Facts About BP Feeds And Where To Buy Them . . WRITE: PROTEIN BLENDERS, INC., Iowa City, Ia.

ABERDEEN ANGUS

WEST ANGUS OFFERING

ANGUS BULLS FOR SALE

A choice group of rugged 20-22 month old Bulls. Eileenmere and Bandolier breeding. Also a few bred females.

GARNETT G. WEST & SONS
Altoona, Iowa
(Farm 2½ miles south)

HIGHLAND STOCK FARM

ANGUS HEIFERS FOR SALE

Sired by PRINCE OF RED GATE 46th, a half brother to the Eastern National Champion, Prince of Red Gate 45th. Also heifers by Model Prince Eric.

CAMPBELL BROS.
Utica, Minnesota

M. B. ANGUS FARMS

PRINCE QUALITY OF SUNBEAM

His progeny have quality and merit. Several excellent young bulls by him and our other herd bulls, BAR QUALITY M. B. by Prince Quality of Sunbeam, MAONA'S PRINCE ERIC 21st by RLM Prince Eric 24th. We have the most fashionable families. Genuine Herd Bull Prospects. Act now. Farm 12 miles S. W. of Iowa City. Visitors always welcome. Phone Sharon Center 2 on 55.

MAAS BROS., RIVERSIDE, IOWA
Meredith, Meredith, Jr., and Donald

KEMP'S ANGUS

Offering a group of heifers that will make foundation females. 8 bred heifers—9 March, April and May open yearlings—6 fine coming yearlings in September and October. Sired by ERIC EILEENMERE W. 8., grandson of Eileenmere 487th. Many show winners have originated from our herd. If you are looking for the best here they are. Also some good young bulls to select from. Come look them over.

J. E. KEMP MARION, IOWA

Calves by our Junior Herd Sire

HOMEPLACE EILEENMERE 479th

1692118 are arriving. We are happy to report they are pleasing. Younk stock for sale at all times.

ADDIS GREIMAN & SONS
Garner, Iowa

HEREFORDS

FOREST GROVE FARM

One of Iowa's best herds of HEREFORD CATTLE

Bulls in service
WHR Puritan Mixer 1st
By WHR Dual Mixer
FGF Pioneer Lad 15th
Champion Open Class 1951 Iowa State Sale, by Pioneer Lad 2d, Champion 1948 Iowa State Sale. Choice young bulls for your inspection. Farm 6 miles east, ½ mile south.

Herb Killian, Owner, Cedar Rapids, Ia.
PAUL WOLF, Manager

GLEN E. BUSH ELMO BUSH

BUSH HEREFORDS

MODERN TYPE CATTLE

When you are selecting a herd bull or foundation females let us help you. We have some brothers and sisters to the 1954 Minnesota State Fair Champion bull to offer. Farm 3 miles east.

LAKE PARK, IOWA

ROBERT • GILES • LESTER • SD & S • VIRGIL • JOE • HORBERT

Quality Hereford Cattle
JOHN DITTMER & SONS, LACONA, IOWA

POLLED HEREFORDS

POLLED HEREFORD HERD SIRES

LESKAN TONY REGULATOR DOMINO 12th, a 2,400 lb. herd sire. Choice Bulls all ages for sale by Herd Sire. Choice Heifers bred to H. K. SUPREME ANXIETY. One of the largest Polled Hereford Herds and 100% Polled calf crop. REASONABLE. Act Now. Phone 26F4.

EUGENE MARQUIS, OSCEOLA, IOWA

SKOW'S STOCK FARM

Horned Hereford Bulls, serviceable age. Also open heifers. Calfhood vaccinated for bangs. Sired by TH LARRY ONWARD 35th 6745189, son of Thorp's famous MW Larry Onward 13th. Reasonable.

JOSEPH A. SKOW WESLEY, IOWA

DAY POLLED HEREFORDS

Breeding Stock for Sale. SIRES IN SERVICE: CMR MISCHIEF DOMINO, by CMR Rolo Domino 12th; MODEST C. LAMPLIGHTER 7th.

ERNEST DAY & SONS GRIMES, IOWA
10 miles northwest of Des Moines

— OUR ADS ARE NEWS —

POLLED HEREFORDS

POLLED HEREFORDS

We have some strong aged bulls ready for heavy service for sale and a fine lot of young bulls coming on for both breeders and farmers. One of the breed's best known herds.

Headed by: BATTLE MIXER, P. ANXIETY ASTER. Come look them over.
P. M. CHRISTENSEN & SON, LONE ROCK, IA

CURRAN POLLED HEREFORDS

For Immediate Sale

Choice Herd Bull prospects by CSF CHOICE DOMINO 2d. Herd federally accredited, all females officially calfhood vaccinated.

Curran Stock Farm, Mason City, Iowa

WESTHAVEN PLACE

Breeding stock, both bulls and females, all ages, for sale at all times.

HERD BULLS
CAPTAIN PLATO 61st
MCV DOMINO
GPH PLUS PERFECT 4th
WP CONQUEROR 30th

WP Conqueress 44th

Always welcome at our farm.
WESTCOTT BROS. DENISON, IOWA

SHORTHORNS

SHORTHORN BULLS

A few choice sons of G. N. E., first prize bull out of EDELLYN GOLDEN COUNT Dams. Reds and roans, serviceable. Reasonable.

FLOYD FANNING NEMAHA, IOWA

POLLED SHORTHORNS

SHADYBROOK FARMS

The place to buy that better Polled Shorthorn bull for less money, with that extra weight for age. Sired by our two herd bulls that weigh well over a ton each.

BERT A. HANSON, VERNON CENTER, MINN.
Farm 20 miles north of Iowa line on U. S. 169

DAIRY CATTLE

Notice—Dairy Calves. If calves are shipped or delivered on approval, full responsibility is assumed when purchaser accepts delivery. Remember calves are young, some are small, which must be considered when buying.

LIVESTOCK FOR SALE

Saddle Horses—young registered.

American Saddle mares.

Dairy bulls—Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey.

ANIMAL HUSBANDRY DEPARTMENT
Iowa State College Ames, Iowa

WANTED—ORDERS for high grade Wisconsin dairy heifer calves. Holstein and Guernsey. Bangs tested and vaccinated for shipping fever. Delivered by our truck, C.O.D. your farm in lots of 5 or more. Dairy heifers, open, bred and springing. Also cows available. Jay Sheafor, Jr., Richland Center, Wisconsin.

HOLSTEINS and GUERNSEYS

Choice Dairy Heifers from 350 to 900 pounds. HOLSTEINS 14c per pound and GUERNSEYS 18c per pound. All heifers sold by the pound. Also Springing Heifers and Cows. Write or call LINK BROTHERS, INC. MINONG, WIS.

TOP QUALITY
Holsteins, Guernseys, Brown Swiss.
All ages. Priced right.
J. M. McFarland, Watertown, Wisconsin

SELECTED DAIRY HEIFERS
AND CALVES
from nationally known America's Dairyland sold on approval. Write for free information.
GREENWALD BROTHERS
Oakland Dairy Farms, WF, Mukwonago, Wisconsin

WISCONSIN HOLSTEINS AND GUERNSEYS

CHOICE COWS, HEIFERS AND CALVES
Delivered on approval.
JAMES E. WELCH, R. 1, MUKWONAGO, WIS.

WISCONSIN'S GOOD QUALITY
HOLSTEIN AND GUERNSEY DAIRY HEIFERS AND HEIFER CALVES
Any age. Will deliver any sized order on approval by truck.
ROSS BLOTT, Box 527, MUKWONAGO, WIS.

BROWN SWISS

REG. BROWN SWISS BULL CALF
Born February, 1955
Dam—12,469 m. 530 f. 305 d. 2X D.H.I.A. Sire—previous. Plus 1,482 m. 95 f. American Index 12,840 m. 581 f.
Farmer Prices
MARVIN D. CONDRA CORYDON, IOWA

GUERNSEYS

La Crosse County Guernsey Breeders
40th Annual Spring Sale
WEST SALEM, WISCONSIN
WEDNESDAY, MARCH 30th
Registered and High Grade Guernseys
VILAS E. YOUNG, Secy.
WEST SALEM, WISCONSIN

LIVESTOCK NEWS

There was standing room only at the M. J. Seitsinger annual **Polled Hereford** production sale at Kalona, Iowa, March 5. The offering was very well presented and was smooth, with much weight for age. Averages were as follows:

26 bulls averaged $334
29 females averaged $292
55 lots averaged $312

H. L. Schultz & Son, Lost Nation, Iowa, paid $550 for the top selling bull, Lee Domino Lad 66th, a June '53 son of CSF Lee Domino. MJS DW Model, a June '53 son of MC Don Domino 3d, brought $530, the bid of T. A. Deppe, Ottumwa, Iowa.

Top on females was $500, paid by Harry Westfall, Keota, Iowa, for Miss MJS DW 1st, a daughter of HHR DW 23d T. 131st bred to Mc Don Domino 3d. Ernest Day & Sons, Grimes, Iowa, paid $385 for Miss MJS Mc 31st, a daughter of Mc Don Domino 3d bred to HHR DW 23d T. 131st.

Col. Freddie Chandler cried the sale, which was managed by Donald J. Bowman, Hamilton, Mo.

The 40th annual **Omaha Shorthorn** show and sale held at the Stock Yards, Feb. 16 attracted a large crowd. It was a chilly day, and Judge Harold Thieman made his placings fast which helped to get the sale under way at an early hour. The 71 bulls averaged $314, the 27 females $221, and the 98 head $300.

The top and champion bull was lot 20, Royal Talisman 2d, consigned by Johnson Brothers, Exira, Iowa. Buyer was Ralph Hellinga, Harris, Iowa, for $1,175. John R. Cummings, & Son, Elizabeth, Colo. showed the reserve champion on lot nine, Golden Prince. He sold for $640 to George Bruman, Harlan, Iowa.

The champion female was entered by Charles M. Lusk, Huston, Texas. Her buyer was L. C. Bolson, Decorah, Iowa, for $335. Alvy Schoenherr, Guthrie Center, Iowa, showed the reserve champion on lot 99, Schaner Augusta 2d. Her buyer was Robert Bagh, Auburn, Nebr., for $300.

The same was managed by Mervin Aegerter. Auctioneers were J. E. Halsey and C. D. Swaffar.

The **Iowa Duroc Breeders** annual bred sow sale, Iowa Falls, Iowa, January 26 drew a large attendance and made a most successful sale. The grand champion sow, lot 19, was shown by Pearson Stock Farm, Radcliffe, and sold for $360 to A.B.P. Miller, Hampton, Iowa. Reserve champion, lot 12, from Knotek Bros., Riverside, went for the top of the sale at $435. The first 10 averaged $257 with 20 averaging $180.20 and the general average on 46 head, $133.44. C. E. Bundy, secretary, worked hard to help make the event successful.

A capacity crowd of leading **Polled Shorthorn** breeders paid tribute to 46 years of constructive breeding at the E. P. Laughlin dispersion sale at Shenandoah, Iowa, Feb. 18. Breeders from Iowa, Missouri, Kansas, Nebraska, Montana, Pennsylvania, Oklahoma, and Canada purchased cattle at averages as follows:

14 bulls averaged $639
48 females averaged $367
62 lots averaged $428

Juggler's Emblem, an outstanding March '53 son of Coronet Max Juggler 17th, brought $2,250, the bid of Wm. F. Werhahn, Pawnee Rock, Kan. John Mohr, Jr., and Son, Park City, Mont., paid $1,325 for Juggler's Elect, also by Coronet Max Juggler 17th.

Jack Carigan, Fairview, Alberta, Canada, one of the sale's heavy buyers of the top cattle, took home both top selling females. He paid $700 for Bessie 90th, a 1948 daughter of Collynie Express, and $690 for Butterfly 22nd, a daughter of Coronet Max Juggler 17th.

Col. J. E. Halsey cried the sale.

A capacity crowd packed the sale ring at the **Kingdom Polled Hereford** sale at Fulton, Mo., Feb. 17. Altho there were a few soft spots in the auction, demand at a reasonable figure was strong, and averages on the offering were as follows:

26 bulls averaged $258
27 females averaged $258
53 lots averaged $258

Top price of the auction was $615 paid by Murry Wood & Son, La Monte, Mo., for Larry Carlos 4th, a son of the famous WW Larry Carlos, consigned by Pinet and Smith, Tebbetts, Mo. Virgil T. Phillips, Hannibal, Mo., paid $510 for W Battle Domino P, a son of C Battle Domino 15th, consigned by Bezler Brothers, Fulton, Mo.

Two daughters of CMR Advance Domino 84th consigned by Master Key Place, Fulton, Mo. and bred to their WW Larry Carlos were top selling females. Cedar Grove Farm, Freeburg, Mo., paid $475 for HCMR Flashette P, and Green Acres, Jefferson City, Mo., paid $345 for HCMR Miss Domino 2d.

Col. Hamilton James cried the sale.

The **Chester White** sale of A. H. Petersen, Jesup, Iowa, Feb. 15, brought out a very satisfactory attendance, and a good sale was made. Lot 1 sold for the top, $325, and went to Robert Vosseller, Plainfield, Iowa. Lot 2 sold for $325 to Clarence Meyer, Waverly, Iowa. Lot 3 went at $305 to Roy V. Copp & Son, Glidden, Iowa. The 48 head averaged $147.

Polled Hereford boosters from a three-state area were on hand at the third annual **Hawkeye Polled Hereford** show and sale at Cedar Rapids, Iowa, Feb. 21 and 22. Altho nearly all of the offering stayed in Iowa, a few went to Minnesota and Wisconsin. Averages were as follows:

27 females averaged $336
44 bulls averaged $454
71 lots averaged $410

Myron Minish, Dysart, Iowa, brought out the champion and top selling bull, W. Prince Rupert 3d, a Dec. '52 son of Kemp Rupert, selling to Miller Stock Farm, Elwood, Iowa, at $1,250. Happel & Sons, Cedar Rapids, Iowa, paid $1,000 for the reserve champion, Orion Advance, a son of Advance Rupert 8th consigned by Wm. McArthur, Mason City, Iowa.

Real Princess 10th, a March '53 daughter of Gold Choice consigned by Kenneth Kuhlmann, North Platte, Nebraska, topped all comers in the presale show, and went on to become top selling female at $625, the bid of Dr. C. W. Zittleman, Chester, Iowa. Reserve champion honors went to Campo Gold Topette 3d, a daughter of Gold Top from the consignment of J. W. Campbell, Tiffin, Iowa. She brought $560, the bid of O. F. Osburn, Elmer, Iowa.

Cols. Tom Sherlock and Emerson Marting cried the sale, which was managed by B. O. Gammon, Des Moines, Iowa.

The **Tamworth** sale of Paul Paetow, Andrews, Iowa, and Harold Eckermann, Davenport, Iowa, Feb. 7, was very successful. There was a good crowd and a fine interest in the meat-type Tamworth hogs. The top of $165 was paid by Leslie & Eldon Kock, Davenport, Iowa, for 4-H work. Nancy Preston, Mt. Carroll, Ill., paid $145 for next top for club work. The 40 head averaged $100.

The annual **Interstate Angus** show and sale held at Sioux City, Iowa, February 28 was most successful. It was a fine day, and the consignors brought together an offering that attracted a large crowd.

48 bulls averaged $493
34 females averaged $391
82 head averaged $451

The top and champion bull was lot 38, Prince E & B 255th, entered by Enoch and Bob Johnson, Arthur, Iowa, and sold for $2000 to Walter Ferguson & Sons, Cheyenne, Wyo. The reserve champion was lot 15, Midictor C 2, entered by George and Duane Clark, Worthinngton, Minn. He sold for $800 to Walker Angus Farms, Vermillion, S. Dak. Second high went to Robert Seater, Northwood, Iowa, for lot 36, Blueboy Lad 52nd of Ida, for $1700. Consignors were Johnson Brothers, Ida Grove, Iowa.

In the females, the champion was lot 79, Blackbird Lass 4th, consigned by John Tabke, Moville, Iowa. She sold for $725 to Enoch and Bob Johnson, Arthur, Iowa. Nye Farms, Plainview, Neb., showed the reserve champion on lot 64, Empress Ravenlox. She sold for $700 to Lowell Koch, Millbank, S. D. The top selling heifer was lot 80, Mignonne T. 4th, entered by Dwight Tabke, Moville, Iowa and sold for $1000 to M & R Farms, Grand Jct., Iowa.

The sale was managed by Dwight Tabke. Auctioneers were Johnston and Woodruff.

GUERNSEYS

GUERNSEYS

For the first time in twenty years the demand for females has exceeded our supply. We do have, however, a few exceptional bulls for sale. For full particulars, pedigrees, and prices write or visit

BRANDTJEN FARMS
FARMINGTON MINNESOTA

IOWA STATE GUERNSEY SALE
Dairy Cattle Congress
WATERLOO, IOWA, APRIL 22nd
Many heifers all ages. Rich breeding and production. Ask for FREE catalog.
M. W. SPROLE, Box 76, MASON CITY, IOWA

HOLSTEINS

HOLSTEINS FOR SALE
MONTH OLD FOUNDATION HEIFERS.
Tested. Delivered your door collect. 50 or more on hand. Inspection invited.
GLENN CLARKE, Rt. 10, SO. ST. PAUL, MINN.

JERSEYS

JERSEY BULLS

Buy a JERSEY Bull calf young. At 4 years old he returns your money as beef. Sometimes we have cows for sale. This is a high JERSEY herd for Iowa, 501 lbs. for 42 cows. T.B. and Bangs free.

J. J. NEWLIN
GEO. SORENSON, HERDSMAN
POLK COUNTY JOHNSTON, IOWA
PHONE: DES MOINES 7-6285

Chester White "Spotlight"

SHOW AND SALE

Hawkeye Downs Pavilion

CEDAR RAPIDS, IOWA
MARCH 25-26, 1955

194 HEAD
From 74 Herds and 12 States

THE KEY 645283
National Spotlight Champion 1954

BANQUET — Montrose Hotel, Cedar Rapids, Iowa, 6:30 P. M., Friday evening, March 25th.

SHOW — Saturday, March 26th, starting at 7:30 A. M.

SALE — Saturday, March 26th, starting at 12:30 P. M.

Sponsored by . . .

CHESTER WHITE SWINE RECORD ASSOCIATION

Ask for FREE catalog. Kindly mention this publication. Address

LEVI P. MOORE, Secy.
Rochester, Indiana

Strowold Farms Durocs

High winning herd at Missouri State Fair **1953-1954**, winning every DUROC Barrow award possible, the 1954 Grand Champion Pen over all breeds.

110 MEAT TYPE DUROCS
Sell at Auction
SATURDAY, MARCH 26th
Sale 1:00 P. M.

45 BRED GILTS — 20 BOARS
25 OPEN GILTS — Gilts with Litters

More Hogs for the Money in Our Drouth Area. 100 miles south of Keokuk, Iowa, on Hwy. 61 and 6 miles south of Hwy. 29 to farm.

R. K. STROTHER & SON
R. 3, Box 5, Bowling Green, Mo.

HAMPSHIRE SALE

At Blau-Velt Angus Farm, 10 miles north of Macomb, 35 miles southeast of Burlington, near

GOOD HOPE, ILL., APRIL 15

50 BOARS — 50 GILTS
20 UNREGISTERED GILTS

Offering sired by **KING EDWARD PR93** 602301, first Certified sire Hampshire breed, having sired to date **6** litters qualifying as Certified **MEAT-TYPE** litters. Entire offering by **PR** boar, out of **PR** litters and **PR** sows. Production Facts . . . **PR** weights, 180 day weights and carcass cut-out measurements will be given on every hog sold. Offering **BANGS TESTED** and guaranteed. Ask for **FREE** catalog. Kindly mention this publication.

DEAN SNYDER
BOX 4 — GOOD HOPE, ILLINOIS

YORKSHIRE SALE

At farm, located 10 miles southeast of Decorah and 10 miles northwest of

POSTVILLE, IOWA
MARCH 26, 1955
Starting at 1:00 P. M.

Choice purebred Yorkshires, Bred Gilts and Open Fall Gilts and rugged Fall Boars. The ideal lengthy MEAT-TYPE kind. Plan to attend. Ask for **FREE** catalog.

Paul Behn, Postville, Iowa

MILKING SHORTHORNS

ANNUAL NATIONAL ALL-FEMALE MILKING SHORTHORN CONGRESS SALE AND MEETING

APRIL 22-23 Springfield, Mo.

Attend the year's biggest Milking Shorthorn Sale. Your opportunity to buy the best in Milking Shorthorns—carefully selected from the nation's choicest herds. For FREE catalog and particulars write

THE AMERICAN MILKING SHORTHORN SOCIETY
313-WFS S. Glenstone — Springfield, Missouri

Livestock News

The **Meredith Farms Hereford** sale, Des Moines, Iowa, Feb. 25, drew cattlemen from all sections of Iowa and several states. C. W. Howe, manager, handled all details in a most efficient manner.

26 bulls averaged $375
59 females averaged $306
85 lots averaged $327

The top bull, MF Intense Lad M. 222d by Intense Domino 2d, went at $700 to Bernard Johnson, Reeder, No. Dak. MF Baca Baron 18th, a son of Baca Baron 17th, went to Bernard Johnson at $610. MF Bacon Baron 21st, another son of the "17th," sold for $550 to D. Rieman, Yetter, Iowa. MF Baca Baron 25th by the same sire sold for $575 to E. L. Bakker, Grundy Center, Iowa. MF Baca Baron 9th by same sire brought $535 and was purchased by J. A. Johnson, Greenfield, Iowa. MF Baca Baron 29th sold for $525 to J. C. Holbert, Bettendorf, Iowa. MF Baca Baron 13th was secured by E. V. McWilliams, Des Moines, Iowa, who bought several females.

The top female was an outstanding January, 1955, heifer calf by the herd sire, RS Princeps Mixer 10th, out of a daughter of TH Prince Real 79th. She sold for $825 to Bea-Mar Farms and J. C. Holbert, Bettendorf, Iowa. MF Miss Royal 27th, by WHR Royal Duke 156th and same dam as the above heifer, brought $700 and was purchased by M. C. Larson & Sons, Hamlin, Iowa. MF Miss B. 263rd, mated to RS. Princeps Mixer 10th, was purchased at $625 by Joseph A. Kautzky & Son, Perry, Iowa, who purchased several females. MF Miss Larry D. 298th, an open heifer by MW Larry Domino 145th, sold to L. J. Marzen, Marble Rock, Iowa, for $600. MF Miss B. 239th, a daughter of Baca Baron 17th and mated to PHR Super Donald 18th, went to L. J. Marzen at $590. MF Lassie M. 231st mated to RS Princeps Mixer 10th sold for $500 to M. C. Larson & Son, Hamlin, Iowa. There were several young bulls and heifers, which could have sold for more money. All cattle were purchased by Iowa buyers, except three head with two bulls being bought on order for North Dakota and one heifer went to Ohio. Auctioneers were Howard Schnell and Emerson Marting.

The 13th **Hawkeye Downs Polled Shorthorn** show and sale at Cedar Rapids, Iowa, under the able management of Earl S. Girton, brought out a very good attendance. Breeders presented a desirable offering and the results follow:

19 bulls averaged $275
23 females averaged $216
42 lots averaged $242

The awards were made in a competent manner by W. C. "Bill" Anderson. The grand champion bull, H.T.R. Gold Prince, was shown by L. C. Bolson, Decorah, Iowa, and sold for $415 to Arthur Hoxmeier, Bellevue, Iowa. Reserve champion came from the Earl S. Girton herd, a son of Alauna Raider, and went at $315 to Dale Scott, Wyoming, Iowa. Cedardale Sultan consigned by Ralph C. Stirm, Brandon, went at $350 to Richland Lee Meyer, Central City, Iowa. Lo-Rex Riverside King, shown by Lloyd Beecher, Union, Iowa, sold for $325 to Wayne Foulk, LaPorte City, Iowa.

The grand champion female was a choice dehorned heifer, H.T.R. Broadhooks 10th from the L. C. Bolson farm, a daughter of Waycross Climax 6th, and went at $210 to Floyd Anthony, Chelsea, Iowa. Reserve champion Gloster Queen 3d was from the herd of A. G. Kester & Sons, Coggon, Iowa, and sold for $245 to Robert McKinley, LaPorte City, Iowa. Dolly Avon 5th from the L. W. Lovell farm went to Kahler Bros., St. Charles, Minn., at $240. Lady Arabella shown by Robert B. Asquith, What Cheer, Iowa, sold for $265 to Corville Davis, Ottumwa. All were purchased by Iowa buyers. Auctioneer was J. E. Halsey.

LaVerne Danker, Oakland, Iowa, paid $370 to own the top selling bull at the **Corning Angus** sale at Corning, Iowa, Feb. 16. He was Eline Revolution S. R., a son of Revolution 48th consigned by Wayne Schmoll, Creston, Iowa. Averages on the offering, many of them 1954 calves, were as follows:

25 bulls averaged $245
67 females averaged $200
92 lots averaged $219

Blackcap Proudmere, a son of Proud Eileenmere G. H. consigned by Wayland Hopley Farms, Atlantic, Iowa, brought $310, going to Bill Stulik, Cromwell, Iowa. Top on females was $300 paid by Hinton & Lamb, Fontenelle, Iowa, for Talty's Black Lass, a granddaughter of Prince Sunbeam 46th consigned by Talty Angus Farms, Corning, Iowa. Win Bier, Orient, Iowa, paid $295 for Blackbird Elsie J. 27th, consigned by Will Johnson and Son, Greenfield, Iowa.

Col. Bill Hagel cried the sale, which was managed by Harold Killion, Greenfield, Iowa.

Correction

In the report of the McDonald **Hampshire** sale at Clemons, Iowa, Feb. 2, we reported the sale of Betty Ann at $220 to Rudolph Stock Farm, Randolph, Minn. This should have read Rudolph Stock Farm, Otisco, Minnesota.

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At Fairgrounds — 1:00 P. M.

HAMPTON, IOWA
SAT., APRIL 2nd
SELLING 80 HEAD

20 BRED SOWS AND GILTS
20 OPEN GILTS — 10 BOARS
30 WEANLING PIGS

The entire offering is Iowa State College breeding. Send for FREE catalog. Please mention this publication. Address

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FOR SALE:

20 BERKSHIRE BRED GILTS

Bred for early April farrow. Suitable for F.F.A. and 4-H work. Three generations of International Grand Champion Carlots in immediate pedigree. Also some dandy fall boars and open fall gilts.

Call 5407, or write:

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PUREBRED HAMPSHIRE FALL BOARS

Sired by a son of the Illinois Grand Champion. Well grown, with bone and quality. Reasonable prices. Accredited herd No. 43. Farm 2⅝ miles north of Sioux Center on Highway 75.

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1954 REGISTERED

50 Boars, 75 Open Gilts, belted and off belts, just the thing for August fall pigs. 1 Reg. Hereford bull. Bangs tested. 6 pony foals.
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Choice modern type gilts, bred to **HAWKEYE MODEL**, champion All-Iowa Fair and other **TOP** Boars. Also extra choice **BOARS** for sale.
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1. Save 10 to 20% on feed.
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3. Raise more pigs per litter.
4. Go to market 2 weeks earlier.

1½ Million pigs sired by
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Guaranteed breeders. We deliver. Phone 265F6. Farm 1½ miles northwest.
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MEAT TYPE BOARS

We have best quality boars to offer the year around. Our hogs are from litter-tested herd boars, and especially bred to raise more pigs, at less feed cost and produce a real **MEAT TYPE** carcass. Vaccinated for Cholera, Erysipelas and Brucellosis clean.

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Choice purebred boars. Ideal to produce **MEAT-TYPE** cross. **Reasonable.** Equipped to deliver.
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Breeding Stock. Registered **DANISH, NORWEGIAN,** and **SWEEDISH** strains. Sure way to change lard hogs to **MEAT** Animals. Accredited Brucellosis Free.
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"The Best from 2 of Iowa's Leading Herds"
Choice Bred Gilts to farrow in February and March. A few tried sows. Good Fall and Spring Boars. All BANGS FREE.
HAROLD ECKERMANN, R. 3, DAVENPORT, IA.
or PAUL PAETOW, ANDOVER, IOWA

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Choice Fall **BOARS**, also a few **GILTS** bred for April farrow. Reasonable. Brucellosis Accredited. Herd Certificate No. 73. (Farm 2 miles north of Luther and 3 miles west.)
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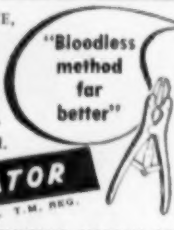
DEHORN, CASTRATE, DOCK by BLOODLESS elastic ring method. One man, any weather. Original, genuine. $12.50. Rings extra: 50, $1; 100, $1.80; 500, $7. *AT DEALERS* or postpaid.



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IOWA YORKSHIRES
BREEDERS ASSOCIATION

For **FREE** information about YORKSHIRES and list of Iowa Yorkshire Breeders, write now.
James R. Tague, Secy.-Treas., R. 3, Davenport, Iowa

YORKSHIRES

Choice well-grown sows and gilts, bred to Champion Boar at National Barrow Show, others to 1953 Minn. Jr. Champion. Will farrow from late Jan. to last of April. Come early, get choice. Phone 2587. (Farm 1½ miles east and ½ mile south.)
E. C. MARTY & SON — LU VERNE, IOWA

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Choice Sows and Gilts, bred to **ROBDALE 23H**, the heaviest boned Yorkshire boar in Iowa, and **L.V.H. ENGLISH MAN 1J**, top son of 1954 Illinois Champion. Also a few fall boars ready for service. Farm 2 miles E., ¾ mile N. Phone 2577.
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Excellent for Cross Breeding, large selection, rugged **ENGLISH** Type. **SUPREME** exhibitor award 1954 Illinois and Wisconsin State Fairs. Ask for **FREE** illustrated circular and prices.
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Genuine English Shepherd and Border Collie Pups. (Either sex, also spayed females $15.00.) Order direct from this ad. Give color. (Satisfaction guaranteed.) 65,000 satisfied customers. (45 years on same farm.) Stepsaver-heeldriving farm dogs. No fooling.) Training instructions, year trial, distemper vaccinated. **Runfts Kennels, Reinbeck, Iowa.**

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Purebred Border Collies English Shepherds — America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
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Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
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Guaranteed heelers, year's trial. Males, females, spayed females $15.00. Training instructions. Distemper vaccinated. Also Registered Collies.
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Choice pups raised from natural heelers. Guaranteed satisfaction. Training instructions. Some partly trained.
BROOKVIEW KENNEL FARM, Ayrshire, Iowa
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AKC eligible Lassie Type. **GOLDEN SABLE** and **WHITE**. Excellent workers, the child's friend. Beautiful, intelligent, home raised. Satisfaction guaranteed.
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Workers — Companions — Guards. Shepherd puppies from working stock. Write for free lists.
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Keep Your Soil in BALANCE!

Choose Your Fertilizer from

Pelleted **Bumpero**

12 GREAT BALANCED FORMULAS

Most soils and crops need phosphorus and potash as well as nitrogen. For more growth power that means "money-in-the-bank," pick BUMPERO . . . the balanced, pelleted fertilizer. There's a BUMPERO grade to fit your exact crop and soil need.

FREE FLOWING—WON'T CLOG MACHINERY —STORES WITHOUT CAKING

or choose the . . . *NEW!*

100% WATER SOLUBLE

BUMPERO 21-53-0

(DIAMMONIUM PHOSPHATE)

Completely new! Because of high water solubility, Bumpero 21-53-0 gives superior yields on crops which have short growing periods such as oats, wheat, barley, potatoes, sugar beets, vegetable crops . . . also for corn in the hill or row. Can be top dressed, broadcast, drilled, side-dressed, sprayed or used in irrigation water.

See your local Bumpero Dealer

Bumpero Liquid Mixed Fertilizer also available from Omaha and Auburn, Nebraska.

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5-20-10
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FARM FERTILIZERS, INC.
7500 South 13th St.—Omaha 7, Nebraska

FOR POWER

nothing can touch it

ACCORDING TO FIELD REPORTS

REPLACING CRAWLERS in the 12,000 lb. class on this work in Mexico, the SD-4 is pulling a 6 bottom, 26" disc plow.

10 Speed Transmission

extra slow for harvesting . . . faster for high speed plowing . . . and top speeds for mowing and other light work mean greatest operating efficiency whatever the job.

For Any Farm Work

Trim, compact, the SD-4 is intended to be used on all farm work. Handles easily in tight spots; turns in less than its own length. Is scarcely larger overall than most medium size tractors.

Lowest Operating Cost

Exclusive 22 to 1 compression ratio assures extreme fuel combustion efficiency . . . results in SD-4 fuel consumption of 1½ gallons per hour averaged over all types of work. The SD-4 costs less to operate than a small gasoline tractor.

Sheppard SD-4 DIESEL

outperforms any tractor on any job

Big traction without cumbersome bulk puts the SD-4 in a class by itself. This exclusive advantage is why a Sheppard Diesel SD-4 has yet to be outperformed by any tractor on any job. The SD-4 has no equal when it comes to **power, job flexibility** or **operating economy.** We'll be glad to turn these claims into demonstrated facts on your farm.

DEALERS: It's easier to sell the SD-4 . . . than to sell against it. Coupon will bring franchise requirements.

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I would like to have an SD-4 demonstrated.
Have your dealer contact me ☐
Send SD-4 literature only ☐
Name _____
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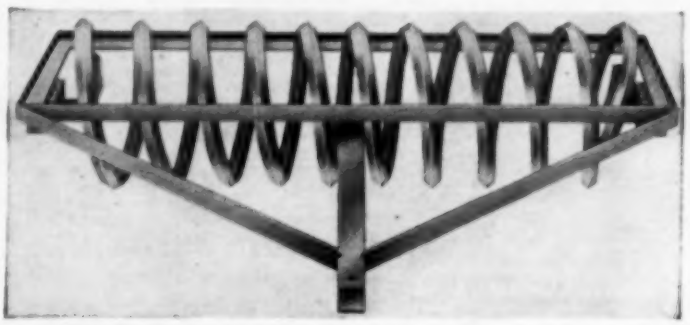
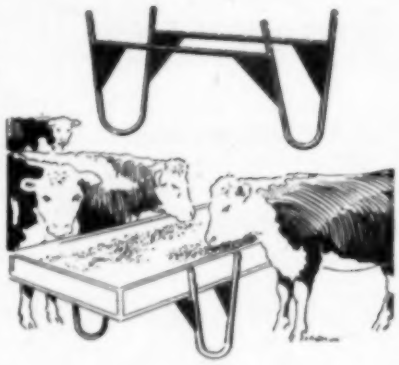
I farm _____ acres. I am a student ☐
☐ Send complete dealer information.

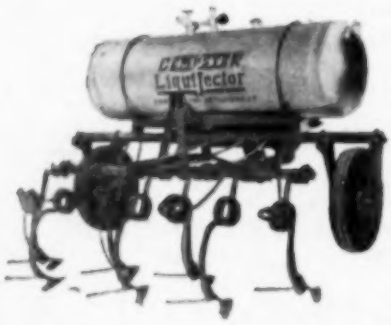
For further information about any of the products shown here, write to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.



Land packer has flexible coil design. Soil is left in small furrows. With contour operation, furrows check soil erosion. Offers resistance to wind erosion. Flexibility prevents clogging. Announced by Snow Co.

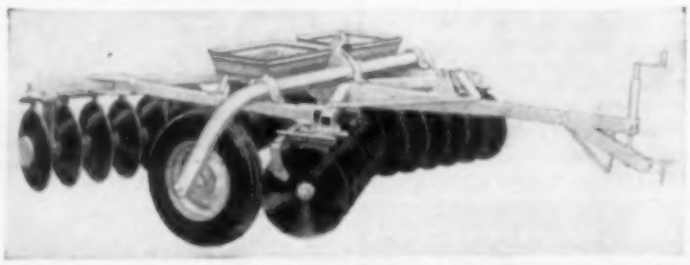


Feed bunk supports are made of tubular steel with reinforced, welded construction. Legs skid easily for moving from one yard to another. They save time in both making and moving bunks. Calf and big steer sizes. Made by Mefferd Co.



Three-point hitch fertilizer applicator tills the soil while applying liquid fertilizer. Cultivator units and wheels can both be spaced on bar to fit your row widths. Applies anhydrous ammonia or nitrogen solutions. Made by Dempster Mill Mfg. Co.

Wings for your car mirror are said to give full rear and side vision. Blind spots eliminated. Claimed to go on any mirror without use of tools. Offered by American Homecraft Co.



Disk harrow is pull-behind type, wheel-transported. Angular adjustment 15 to 25 degrees. Front and rear gangs have separate angular and lateral adjustments. Leveling is provided by hand crank at point of hitch. Made in nine to 12-foot sizes. UO disk is made by Minneapolis-Moline Co.

Corn shellers will be busy in the next month on Corn Belt farms. In some areas, corn will be marketed because it's too wet to keep, or seal. Some will be shelled for feed, altho moisture must be very low if shelled corn is to keep after May 15. Sheller pictured is on Richard Thompson farm, Polk county, Iowa.

What's Ahead...

TWO WINTER SEASONS of low hog prices usually precede a boom in hog prices. We've had only one. And farmers' intentions indicate another increase in pig numbers. Time to keep extra sows for pigs has not arrived.

Homer Hush

SEASONAL RISE in hog prices can be expected this summer, however. Optimistic market experts are guessing at a $22 top. It's safer to count on July or August top no higher than $20.

EGG PRODUCERS can feel encouraged by the 18 percent cut in chicks estimated for this year. It should help prices in the fall.

Chick purchases, however, have shown a seasonal shift that's important to egg producers. Last year, heavy purchases were early. Very few were bought late. This year, early sales were small, and late sales may be heavy. If you're going to buy pullet replacements, now might be better than later.

SOYBEAN PRICES have held steady for a very long time while farmers and processors have waited for a break, one way or the other.

Crushing of beans has been down despite three percent increase in oilmeal consuming animals. On the other hand, exports are running ahead of last year. But still the supply is very large.

Bean owners should remember that soybean loans and purchase agreements terminate May 31. The re-seal privilege announced by USDA does not apply to beans.

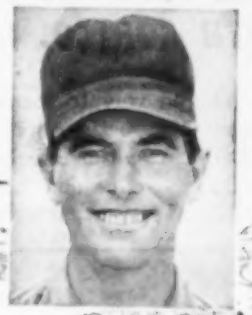
Holding beans into summer looks highly speculative.

NEW RE-SEAL PROGRAM applies to following crops grown in 1954: Corn, barley, flaxseed, grain sorghums, oats, rye and wheat. Old loans can be extended or purchase agreements turned into loans. Storage payments will be made. Note that 1952 and 1953 crops and soybeans of any crop are not included.

SPRING PIG INCREASE this year will be determined by the number of bred sows farmers sell ahead of the dock stage. There's some evidence that market receipts of sows are going up. Six-state survey of farmers intentions to keep sows for pigs is coming up, and should show the trend. Watch next issue of Wallaces' Farmer and Iowa Homestead for the six-state report.

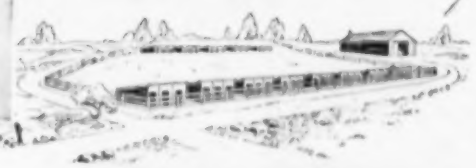
FUTURE WARS would not bring prosperity to farmers as they have in the past. Hydrogen bombs would destroy whole city populations or drive them to the country. Markets would be disorganized.

40 GOLDEN ACRES



by ROSCOE POLLITT

Manager, Semi-Solid Demonstration Farm, Des Moines, Iowa



* * *

BUSHELS OF PIGS! Man, we've got 'em this month at our 40 Golden Acres demonstration farm at the junction of U.S. 6 and Iowa 64, just northeast of Des Moines. In 12 days (and nights) last month, I weighed in 41 litters. Our oldest pigs are a month old and they're still coming. This is a good time to visit us and maybe pick up some ideas you can use in farrowing your own spring pig crop.

* * *

"SHOW-ME" HOGMEN (this is one of several groups of Missouri visitors at the farm) say they're seeing things this spring that they wouldn't have believed. There's Jumbo, the 5½ lb. pig from a litter of eight that weighed 33½ lbs. at birth. There's Princess with her litter of 15 pigs saved to bring her total to 38 from three litters and put her ahead of the pace of her famous dam, "Queenie."

* * *

YOU'LL SEE SOWS "robbing" each other of pigs to relieve their udders swollen with the milk flow from Semi-Solid Sow Emulsion. And you'll see pigs that "wean themselves" to Dry Sparx creep ration and Condensed Sparx as a drink even before their mothers are removed from the lactation pens. If the nine plus average holds up you'll see more than 600 pigs.

* * *

YOU'LL EVEN FIND POLLITT awake to take you over the farm instead of napping after sitting up with sows the night before. Our farrowing panels inside the individual houses this spring save me a lot of sleep. I haven't been up later than 2 a.m. and that only on cold, windy nights. I can take care of three or four sows a night because I don't have to worry about them mashing pigs. We lost just one pig from overlaying and he was in a litter of 14 from a big restless sow.

* * *

Visit us this month if you can. But if you are busy with your own pigs and can't get away, let us give you what help we can. I would like to send you our "40 Golden Acres" booklet that describes the farrowing and pig starting ideas we've developed from almost 2,000 litters. Just a postcard to me—Roscoe Pollitt, Mgr. "40 Golden Acres," RFD, Altoona, Ia. will bring your copy in time for farrowing.

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Profit by that AGRICO Bonus!

JIM WILLENBRING, son of MRS. HILDA WILLENBRING, Petersburg, Iowa

THESE MID-WEST FARMERS AVERAGED $11.31 EXTRA NET PROFIT PER ACRE ON CORN WITH AGRICO, IN SIDE-BY-SIDE CROP CHECKS

LEO RAHE, Petersburg, Iowa

Looking for a sound way to increase farm profits and make the fertilizer dollar go farther, these Midwest farmers made side-by-side field checks last year, comparing AGRICO, the Nation's Leading Fertilizer, against other fertilizers of equal and higher analyses. Under identical conditions, Agrico produced an average EXTRA increase of $11.31 MORE corn per acre, as this summary shows:

JESS DABLER, brother of CLIFFORD M. DABLER, Wyanet, Ill.

DONALD NELSON, of NELSON BROS Goldfield, Iowa

FARMER	Fertilizers Used	Yield Per Acre	INCREASE with AGRICO Per Acre	EXTRA NET Profit Per Acre with AGRICO
Clifford M. Dabler, Wyanet, Ill.	AGRICO FOR TOPDRESSING—10-10-10 Vs. Other Fertilizer—10-10-10	86.7 bu. 78.5 bu.	8.2 bu.	$12.30
Fred L. Dyer, Hillsboro, Iowa	AGRICO FOR MIDWEST—3-12-12 (240 lbs.) Vs. Other Fertilizer—5-20-20 (140 lbs.)	111.7 bu. 103.4 bu.	8.3 bu.	$11.40
Herman Kleen, Manson, Iowa	AGRICO FOR MIDWEST—3-12-12 Vs. Other Fertilizer—3-12-12	98.8 bu. 90.8 bu.	8 bu.	$11.83
Walter Main, Independence, Iowa	AGRICO FOR CORN—4-16-16 Vs. Other Fertilizer—5-20-20	90.6 bu. 80.8 bu.	9.8 bu.	$16.38
Les Mealiff, Humboldt, Iowa	AGRICO FOR CORN—4-16-16 Vs. Other Fertilizer—5-20-20	108.4 bu. 103.5 bu.	4.9 bu.	$ 8.64
Nelson Bros., Goldfield, Iowa	AGRICO FOR CORN—4-16-16 Vs. Other Fertilizer—5-20-20	93.3 bu. 86.7 bu.	6.6 bu.	$10.23
Leo Rahe, Petersburg, Iowa	AGRICO FOR CORN—4-12-8 Vs. Other Fertilizer—4-12-8	132 bu. 128 bu.	4 bu.	$ 6.58
Roy Wells, Pomeroy, Iowa	AGRICO FOR CORN—4-16-8 Vs. Other Fertilizer—4-16-8	86.4 bu. 74.5 bu.	11.9 bu.	$17.70
Hilda Willenbring, Petersburg, Iowa	AGRICO FOR CORN—4-16-8 Vs. Other Fertilizer—4-16-8	107 bu. 103 bu.	4 bu.	$ 6.74
Average EXTRA Increase with AGRICO			**7.3 bu.**	**$11.31**

WALTER MAIN, Independence, Iowa

ROY WELLS, Pomeroy, Iowa

FRED L. DYER Hillsboro, Iowa

LES MEALIFF Humboldt, Iowa

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FERTILIZE HAY WITH 18% NORMAL—IT PAYS

Try fertilizing oats and hay seedings with 18% NORMAL Superphosphate. John G. Mertens, of Donnellson, Iowa, tells how well it pays:

"In Spring '53 I had 500 lbs. 18% NORMAL per acre bulk-spread on half of a 40-acre stalk field and then seeded the entire field to oats and red clover. Last year was very dry and many seedings didn't live through the winter, but the red clover fertilized with 18% NORMAL came through in fine shape.

"As to yields, I found that 18% NORMAL Superphosphate had produced 2040 lbs. MORE hay per acre on 1st cutting alone. This paid for the 18% NORMAL, plus a profit of $6. per acre on one cutting, and an even greater increase on the 2nd cutting was 100% clear profit."

JOHN G. MERTENS, Donnellson, Iowa

PHOSPHATE ROCK PAYS GOOD RETURNS

Try AA QUALITY Ground Phosphate Rock as a supplement to your fertilizer program. Harold Grabow and Bernard J. Ward, of Lockport, Ill., report:

"After preparing a field for corn, we disked in AA QUALITY Phosphate Rock, 1000 lbs. per acre, on half of the field. The entire field was planted the same day.

"The phosphated area had 2.9 stalks per hill, against 1.6 stalks on the rest of the field. On checking yields, we found that the Rock application increased the yield by 15.5 bu. per acre, which paid for the Rock, plus an EXTRA profit of $13.80 per acre, and I expect at least 5 years' more returns from this Rock investment."

BERNARD J. WARD (left) and HAROLD GRABOW, Lockport, Ill.

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